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From: Whiteman, Brian
Sent: Tuesday, March 21, 2006 9:41 AM
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Subject: seq search

09380203

SEQ ID NO: 1 and 2

1) us patents and published us patent application databases.

Thank you,

Brian Whiteman
Remsen, 2D14
mail box 2C18
Patent Examiner - Art Unit 1635
United States Patent and Trademark Office
(571) 272-0764

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Type of Search
NA# _____ AA# _____
S/L: _____ Oligomer: _____
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Structure #: _____ Text: _____
Inventor: _____ Litigation: _____

Vendors and cost where applicable
STN: _____
DIALOG: _____
QUESTEL/ORBIT: _____
LEXIS/NEXIS: _____
SEQUENCE SYSTEM: _____
WWW/Internet: _____
Other (Specify): _____

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GenCore version 5.1.7
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OM nucleic - nucleic search, using sw model

Run on: March 23, 2006, 21:18:38 ; Search time 288 Seconds
(without alignments)
8900.152 Million cell updates/sec

Title: US-09-380-203-1
Perfect score: 1442
Sequence: 1 TTTTYYYYTTTGGATGGAG.....TTAAACAAAGCTTTAGACGA 1442

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA:*
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2: /cgn2_6/prodata/1/ina/5 COMB.seq.*
3: /cgn2_6/prodata/1/ina/6A COMB.seq.*
4: /cgn2_6/prodata/1/ina/6B COMB.seq.*
5: /cgn2_6/prodata/1/ina/H COMB.seq.*
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8: /cgn2_6/prodata/1/ina/RE COMB.seq.*
9: /cgn2_6/prodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1442	100.0	1442	2	US-08-454-557C-120
2	1442	100.0	1442	2	US-08-340-426D-120
3	1442	100.0	1442	2	US-08-450-673C-120
4	1442	100.0	1442	3	US-09-872-968-1
5	1442	100.0	1442	3	US-10-153-334-53
6	1223.4	84.8	1418	6	PCT-US95-17111A-120
7	1080.2	74.9	1381	2	US-08-454-557C-49
8	1080.2	74.9	1381	2	US-08-340-426D-49
9	1080.2	74.9	1381	2	US-08-450-673C-49
10	1080.2	74.9	1381	6	PCT-US95-17111A-49
11	590.4	40.9	33112	3	US-10-429-873A-3
12	590.4	40.9	42693	3	US-09-949-016-17317
13	590.4	40.9	42693	3	US-09-949-016-17318
14	527	36.5	107980	3	US-09-949-016-17370
15	519.6	36.0	13335	3	US-09-949-016-17379
16	506.4	35.1	13335	3	US-09-949-016-17362
17	502.4	34.8	43562	3	US-09-949-016-16222
18	499.2	34.6	100463	3	US-09-949-016-12511
19	499.2	34.6	100468	3	US-09-949-016-13725
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21	493.2	34.2	84875	3	US-09-949-016-17335
22	493.2	34.2	84875	3	US-09-949-016-17336
23	493.2	34.2	84875	3	US-09-949-016-17337
24	493.2	34.2	85152	3	US-09-949-016-12665

c 25	493.2	34.2	85152	3	US-09-949-016-12666	Sequence 12666, A
c 26	493.2	34.2	85152	3	US-09-949-016-12667	Sequence 12667, A
c 27	493.2	34.2	85152	3	US-09-949-016-12668	Sequence 12668, A
c 28	492.6	34.2	17198	3	US-09-949-016-13776	Sequence 13776, A
c 29	490.2	34.0	45819	3	US-09-949-002-825	Sequence 825, App
c 30	484	33.6	25589	3	US-09-949-002-716	Sequence 716, App
c 31	482	33.4	44477	3	US-09-949-016-16767	Sequence 16767, A
c 32	480.6	33.3	37269	3	US-09-949-016-16672	Sequence 16672, A
c 33	479.6	33.3	57914	3	US-09-949-016-11935	Sequence 11935, A
c 34	479.6	33.3	57936	3	US-09-949-016-16921	Sequence 16921, A
c 35	479.2	33.2	51719	3	US-09-918-686-2	Sequence 2, Appli
c 36	479.2	33.2	92139	3	US-09-918-686-1	Sequence 1, Appli
c 37	478.8	33.2	19091	3	US-09-949-016-15805	Sequence 15805, A
c 38	477.6	33.1	14452	3	US-09-949-016-13716	Sequence 13716, A
c 39	477.6	33.1	60489	3	US-09-949-016-16287	Sequence 16287, A
c 40	476.8	33.1	107980	3	US-09-949-016-14370	Sequence 14370, A
c 41	475.4	33.0	14796	3	US-08-975-080-35	Sequence 35, Appl
c 42	475.4	33.0	14796	3	US-09-630-706-10	Sequence 10, Appl
c 43	475.4	33.0	14796	3	US-09-496-694B-3	Sequence 3, Appl
c 44	475.4	33.0	14796	3	US-10-138-618-35	Sequence 35, Appl
c 45	475.4	33.0	14796	3	US-09-918-186A-3	Sequence 3, Appli

ALIGNMENTS

RESULT 1
US-08-454-557C-120
; Sequence 120, Application US/08454557C
; Patent No. 5830670
; GENERAL INFORMATION:
; APPLICANT: de la Monte, Suzanne
; APPLICANT: Wands, Jack R.
; TITLE OF INVENTION: Neural Thread Protein Gene Expression and Detection
; TITLE OF INVENTION: Of Alzheimer's Disease
; NUMBER OF SEQUENCES: 121
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
; STREET: 1100 New York Avenue, Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/454,557C
; FILING DATE: 30-MAY-1995
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Ludwig, Steven R.
; REGISTRATION NUMBER: 36,203
; REFERENCE/POCKET NUMBER: 0609.3840003
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 120:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1442 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: both
; MOLECULE TYPE: CDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 15..1139
US-08-454-557C-120

Query Match 100.0%; Score 1442; DB 2; Length 1442;
Best Local Similarity 100.0%; Pred. No. 0;

Matches 1442; Conservative 0; Mismatches 0; Indels 0; Gaps 0;			
Qy	1	TTTTTTTTTTGAGATGAGTTTGGCTCTCTTGTGTCCTCCAGGCTGGAGTGCATGGCGCA	60
Db	1	TTTTTTTTTTTGGAGATGAGTTTGGCTCTCTTGTGTCCTCCAGGCTGGAGTGCATGGCGCA	60
Qy	61	TCTCAGCTCAGCGCAACCTCCGCTCCGCGGTTCAGCGATTCCTCCGCTCAGCCTCCC	120
Db	61	TCTCAGCTCAGCGCAACCTCCGCTCCGCGGTTCAGCGATTCCTCCGCTCAGCCTCCC	120
Qy	121	CAGTAGCTGGGATTTACAGGCATGTGCACCCAGCTCGGCTAAATTTGTAATTTTTTTAG	180
Db	121	CAGTAGCTGGGATTTACAGGCATGTGCACCCAGCTCGGCTAAATTTGTAATTTTTTTAG	180
Qy	181	TAGAGATGGAGTTTCTCATGTGTGGTCAGGCTGGTCTCGAACTCCCGACCTCAGATGATC	240
Db	181	TAGAGATGGAGTTTCTCATGTGTGGTCAGGCTGGTCTCGAACTCCCGACCTCAGATGATC	240
Qy	241	CCTCGCTCTCGGCTCCCAAGTGTAGATACAGACTGGCCACCATCGCGGCTCTGCC	300
Db	241	CCTCGCTCTCGGCTCCCAAGTGTAGATACAGACTGGCCACCATCGCGGCTCTGCC	300
Qy	301	TGGCTAAATTTTGTGTAGAACAGGTTTCACTGATGTGCCAAGCTGGTCTCTGAGC	360
Db	301	TGGCTAAATTTTGTGTAGAACAGGTTTCACTGATGTGCCAAGCTGGTCTCTGAGC	360
Qy	361	TCAAGCAGTCCACTGCTCAGCCTCCCAAGTGTGGGATTTACAGGCGTGACCGGTGC	420
Db	361	TCAAGCAGTCCACTGCTCAGCCTCCCAAGTGTGGGATTTACAGGCGTGACCGGTGC	420
Qy	421	CTGGCTTTTATTTTATTTTATTTTAAAGACAGAGTGTCCCACTCTTACCCAGGATGAG	480
Db	421	CTGGCTTTTATTTTATTTTATTTTAAAGACAGAGTGTCCCACTCTTACCCAGGATGAG	480
Qy	481	TGCACTGTGTGATCACAGCTCACTGCAGCCTTCAACTCTGAGATCAAGATCTCTCTG	540
Db	481	TGCACTGTGTGATCACAGCTCACTGCAGCCTTCAACTCTGAGATCAAGATCTCTCTG	540
Qy	541	CCTCAGCCTCCCAAGTAGTGGGACCAAGACATGCACATACACCTGGCTAAATTTT	600
Db	541	CCTCAGCCTCCCAAGTAGTGGGACCAAGACATGCACATACACCTGGCTAAATTTT	600
Qy	601	TTTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT	660
Db	601	TTTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT	660
Qy	661	GGCGCAATCTGGCTCACTGCAACCTCTGCTCCGCGGTTCAGATTAATCTCTGCCCA	720
Db	661	GGCGCAATCTGGCTCACTGCAACCTCTGCTCCGCGGTTCAGATTAATCTCTGCCCA	720
Qy	721	GCCTCTGATGAGTGGGACTACAGGCGCCACCAAGCTAGCTAAATTTTGTATTTT	780
Db	721	GCCTCTGATGAGTGGGACTACAGGCGCCACCAAGCTAGCTAAATTTTGTATTTT	780
Qy	781	TAGTAGAGATGGGGTTCACCATGTTCCGCGGTTCAGTCTTGATCTCTGGACCTTGATC	840
Db	781	TAGTAGAGATGGGGTTCACCATGTTCCGCGGTTCAGTCTTGATCTCTGGACCTTGATC	840
Qy	841	TGCTGCTCTCGGCTCCCAAGTGTGGGATTTACAGGCGTGAGCCACACCGCGGCTTA	900
Db	841	TGCTGCTCTCGGCTCCCAAGTGTGGGATTTACAGGCGTGAGCCACACCGCGGCTTA	900
Qy	901	TTTTTAAATTTTGTGTTGAAATGGAATCTCACTCTGTTACCGAGCTGGAGTGCAT	960
Db	901	TTTTTAAATTTTGTGTTGAAATGGAATCTCACTCTGTTACCGAGCTGGAGTGCAT	960
Qy	961	GGCBAATCTCGGCTCACTGCAACCTCTGCTCCGCGGTCAAGGATTCCTCTCTCA	1020
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Db	1021	GCCTCCCAAGCAGCTGGGATTTACGGGCACTGTGCCACACACCCCGCTAATTTTGTATTT	1080

Qy	1081	TCATTAGAGCGGGTTTCCACCATATTTGTGAGCTGGTCTCAAACTCCTGACCTCAGGT	1140
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Qy	1141	GACCCACCTCGCTCAGCCTTCCAAAGTGTGGGATTTACAGGCGTGAGCCACCTCAGCCAG	1200
Db	1141	GACCCACCTCGCTCAGCCTTCCAAAGTGTGGGATTTACAGGCGTGAGCCACCTCAGCCAG	1200
Qy	1201	CCGGCTAATTTAGATAAAAAATATGTAGCAATGGGGGGTCTTGCTATGTTGCCAGGCT	1260
Db	1201	CCGGCTAATTTAGATAAAAAATATGTAGCAATGGGGGGTCTTGCTATGTTGCCAGGCT	1260
Qy	1261	GGTCTCAAACTCTGGCTTCATGCAATCCTTCCAAATGAGCCACACCCAGCCAGTCA	1320
Db	1261	GGTCTCAAACTCTGGCTTCATGCAATCCTTCCAAATGAGCCACACCCAGCCAGTCA	1320
Qy	1321	CATTTTTTAAACAGTTACATCTTTTATTTTAGTATATCTAGAAAGTAATAAACAATGT	1380
Db	1321	CATTTTTTAAACAGTTACATCTTTTATTTTAGTATATCTAGAAAGTAATAAACAATGT	1380
Qy	1381	CAAACTGCAAAATTCAGTAGTAAACAGAGTTCTTTTATAAATTTTAAACAAAGCTTTAGAG	1440
Db	1381	CAAACTGCAAAATTCAGTAGTAAACAGAGTTCTTTTATAAATTTTAAACAAAGCTTTAGAG	1440
Qy	1441	CA 1442	
Db	1441	CA 1442	

RESULT 2
US-08-340-426D-120
; Sequence 120, Application US/08340426D
; Patent No. 5948634
; GENERAL INFORMATION:
; APPLICANT: de la Monte, Suzanne
; TITLE OF INVENTION: Neural Thread Protein Gene Expression and Detection
; TITLE OF INVENTION: of Alzheimer's Disease
; NUMBER OF SEQUENCES: 121
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
; STREET: 1100 New York Avenue, Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/340,426D
; FILING DATE: 14-NOV-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Ludwig, Steven R.
; REGISTRATION NUMBER: 36,203
; REFERENCE/DOCKET NUMBER: 0609.3840002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 120:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1442 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: both
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 15..1139

US-08-340-426D-120

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Best Local Similarity		100.0%;	Pred. No. 0;		
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QY	121	CAGTAGCTGGGATTACAGCATGTGCAACCGCTCGGCTAAATTTGTTAG	180		
DB	121	CAGTAGCTGGGATTACAGCATGTGCAACCGCTCGGCTAAATTTGTTAG	180		
QY	181	TAGAGATGGAGTTTCTCCATGTTGGTCAGGCTGGTCTCGAACTCCCGACCTCAGATGTC	240		
DB	181	TAGAGATGGAGTTTCTCCATGTTGGTCAGGCTGGTCTCGAACTCCCGACCTCAGATGTC	240		
QY	241	CTCCGCTCTCGGCTCCCAAAGTGTGTAGATACAGGACTGGCCACCATGCCCCGCTCTGCC	300		
DB	241	CTCCGCTCTCGGCTCCCAAAGTGTGTAGATACAGGACTGGCCACCATGCCCCGCTCTGCC	300		
QY	301	TGGCTAAATTTTGTGTGAGAAACAGGTTTCTAGTGTGCTCAAGCTGGTCTCTGAGC	360		
DB	301	TGGCTAAATTTTGTGTGAGAAACAGGTTTCTAGTGTGCTCAAGCTGGTCTCTGAGC	360		
QY	361	TCAAGCAGTCCACCTCGCTCAGCTCCCAAAGTGTGGATTACAGGCGTGCGAGCGTGC	420		
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DB	421	CTGGCTTTTAAATTTTAAAGACAGAGTGTGCCACTCTTACCCAGGATGAAG	480		
QY	481	TGCAGTGTGTGATCACAGTCACTGCGAGCTTCAACTCTCTGAGATCAAGATCTCTCTG	540		
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QY	601	TTTTTAAATTTTAAATTTTGAAGACAGAGTCTCAACTCTGTCAACCAGCTGGAGTGCAGT	660		
DB	601	TTTTTAAATTTTAAATTTTGAAGACAGAGTCTCAACTCTGTCAACCAGCTGGAGTGCAGT	660		
QY	661	GGCGCAATCTTGGCTCACTGCAACCTCTGCTCCCGGTTCAAGTTATTTCTCTGCCCA	720		
DB	661	GGCGCAATCTTGGCTCACTGCAACCTCTGCTCCCGGTTCAAGTTATTTCTCTGCCCA	720		
QY	721	GCTCCTCAGTAGCTGGGACTACAGCGCCACACAGCTAGCTAATTTTGTATTTT	780		
DB	721	GCTCCTCAGTAGCTGGGACTACAGCGCCACACAGCTAGCTAATTTTGTATTTT	780		
QY	781	TAGTAGAGATGGGTTTCAACATGTTTCGCGCAGGTTGATCTGTGATCTCTGATC	840		
DB	781	TAGTAGAGATGGGTTTCAACATGTTTCGCGCAGGTTGATCTGTGATCTCTGATC	840		
QY	841	TGCTGCTCTGGCTCCCAAAGTGTGGGATTACAGGCGTGAGCCACACCGCGGCTTA	900		
DB	841	TGCTGCTCTGGCTCCCAAAGTGTGGGATTACAGGCGTGAGCCACACCGCGGCTTA	900		
QY	901	TTTTTAAATTTTGTGTTTGAATGGAATCTCACTCTGTTACCCAGCTGGAGTGCAT	960		
DB	901	TTTTTAAATTTTGTGTTTGAATGGAATCTCACTCTGTTACCCAGCTGGAGTGCAT	960		
QY	961	GGCCAAATCTCGGCTCACTGCAACCTCTGCTCCCGGCTCAAGCGATTCTCTGTCTCA	1020		
DB	961	GGCCAAATCTCGGCTCACTGCAACCTCTGCTCCCGGCTCAAGCGATTCTCTGTCTCA	1020		

QY	1021	GCCTCCCAAGCAGCTGGGATTACGGGCACCTGTCACCAACACCCCGCTAATTTTGTATTT	1080		
DB	1021	GCCTCCCAAGCAGCTGGGATTACGGGCACCTGTCACCAACACCCCGCTAATTTTGTATTT	1080		
QY	1081	TCATTTAGAGGCGGGTTTTCACATATTTTTCAGGCTGCTCTCAAACTCCTGACCTCAGGT	1140		
DB	1081	TCATTTAGAGGCGGGTTTTCACATATTTTTCAGGCTGCTCTCAAACTCCTGACCTCAGGT	1140		
QY	1141	GACCCACCTGCTCAGCCTTCCAAAGTGTGGGATTACAGGCGTGAGCCACCTCAACCCAG	1200		
DB	1141	GACCCACCTGCTCAGCCTTCCAAAGTGTGGGATTACAGGCGTGAGCCACCTCAACCCAG	1200		
QY	1201	CCGGCTAATTTAGATAAAAAAATATGTAGCAATGGGGGTCTTGCTATGTGTTGCCAGGCT	1260		
DB	1201	CCGGCTAATTTAGATAAAAAAATATGTAGCAATGGGGGTCTTGCTATGTGTTGCCAGGCT	1260		
QY	1261	GGTCTCAAACTTCTGGCTTCATGCATCTTCCAAATGAGCCCAAAACCCAGCCAGTCA	1320		
DB	1261	GGTCTCAAACTTCTGGCTTCATGCATCTTCCAAATGAGCCCAAAACCCAGCCAGTCA	1320		
QY	1321	CATTTTTTAAACAGTTACATCTTTATTTTAGTACTAGAAAGTAAATAAATAAATATGT	1380		
DB	1321	CATTTTTTAAACAGTTACATCTTTATTTTAGTACTAGAAAGTAAATAAATAAATATGT	1380		
QY	1381	CAAACTGCAAAATTCAGTAGTAAACAGAGTTCTTTTATACTTTTAAACAAAGCTTTAGAG	1440		
DB	1381	CAAACTGCAAAATTCAGTAGTAAACAGAGTTCTTTTATACTTTTAAACAAAGCTTTAGAG	1440		
QY	1441	CA 1442			
DB	1441	CA 1442			

RESULT 3
US-08-450-673C-120
; Sequence 120, Application US/08450673C
; Patent No. 5948888
; GENERAL INFORMATION:
; APPLICANT: de la Monte, Suzanne
; TITLE OF INVENTION: Neural Thread Protein Gene Expression and Detection
; TITLE OF INVENTION: of Alzheimer's Disease
; NUMBER OF SEQUENCES: 121
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
; STREET: 1100 New York Avenue, Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/450,673C
; FILING DATE: 30-MAY-1995
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Ludwig, Steven R.
; REGISTRATION NUMBER: 36,203
; REFERENCE/DOCKET NUMBER: 0609.3840004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 120:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1442 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: both

/ MOLECULE TYPE: cdna
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 15...1139
US-08-450-673C-120

Query Match 100.0%; Score 1442; DB 2; Length 1442;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1442; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTT...TGGATGGAGTTTTCGCTCTGTTGCCAGGCTGAGTGAATGGCGCAA 60
Db 1 TTTT...TGGATGGAGTTTTCGCTCTGTTGCCAGGCTGAGTGAATGGCGCAA 60

Qy 61 TCTCAGCTCACCGCAACCTCCCGGCTTCAAGGATTTCTCTGCGCTCAGCCTCCC 120
Db 61 TCTCAGCTCACCGCAACCTCCCGGCTTCAAGGATTTCTCTGCGCTCAGCCTCCC 120

Qy 121 CAGTAGCTGGGATTTACAGGCATGTGACCCACGCTCGGCTAATTTTGTATTTTGTAG 180
Db 121 CAGTAGCTGGGATTTACAGGCATGTGACCCACGCTCGGCTAATTTTGTATTTTGTAG 180

Qy 181 TAGAGTGGAGTTTCTCCATGTTGGTCAGGCTGCTCGAACTCCGACCTCAGATGATC 240
Db 181 TAGAGTGGAGTTTCTCCATGTTGGTCAGGCTGCTCGAACTCCGACCTCAGATGATC 240

Qy 241 CCTCGCTCTCGGCTCCCAAGTGTAGATACAGGACTGGCCACCATCGCCGGCTCTGCC 300
Db 241 CCTCGCTCTCGGCTCCCAAGTGTAGATACAGGACTGGCCACCATCGCCGGCTCTGCC 300

Qy 301 TGGCTAATTTTGTGGTGAAGAACAGGGTTTCACTGATGTGCCCAAGCTGCTCTGAGC 360
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Qy 361 TCAAGCAGTCACCTGCTCAGCTCCCAAGTGTGGATTCAGGCGTGACGCGCTGC 420
Db 361 TCAAGCAGTCACCTGCTCAGCTCCCAAGTGTGGATTCAGGCGTGACGCGCTGC 420

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Db 421 CTGGCTTTTATTTTATTTTATTTTAAAGACAGGTGTCCTTACCAGGATGAAG 480

Qy 481 TGCAGTGGTGTATCACAGCTCACTGAGCCTTCAACTCTGAGATCAAGCATCTCTCTG 540
Db 481 TGCAGTGGTGTATCACAGCTCACTGAGCCTTCAACTCTGAGATCAAGCATCTCTCTG 540

Qy 541 CCTCAGCTCCCAAGTAGCTGGACCAAGACATGACCACTACACCTGGGCTAATTTTGA 600
Db 541 CCTCAGCTCCCAAGTAGCTGGACCAAGACATGACCACTACACCTGGGCTAATTTTGA 600

Qy 601 TTTT...TATTTTATTTTATTTTATTTTAAAGACAGGTCTCAACTCTGTCACCCAGGCTGGAGTGCAGT 660
Db 601 TTTT...TATTTTATTTTATTTTATTTTAAAGACAGGTCTCAACTCTGTCACCCAGGCTGGAGTGCAGT 660

Qy 661 GCGCAATCTTGGCTCACTGCAACCTCTGCTCCCGGGTTCAAGTTATCTCTGCCCCA 720
Db 661 GCGCAATCTTGGCTCACTGCAACCTCTGCTCCCGGGTTCAAGTTATCTCTGCCCCA 720

Qy 721 GCTCTGAGTAGCTGGGACTACAGCGCCCAACAGCTAGCTAATTTTGTATTTT 780
Db 721 GCTCTGAGTAGCTGGGACTACAGCGCCCAACAGCTAGCTAATTTTGTATTTT 780

Qy 781 TAGTAGAGATGGGTTTCAACATGTTGCGCAGGTGATCTTGATCTCTGACCTTGTGATC 840
Db 781 TAGTAGAGATGGGTTTCAACATGTTGCGCAGGTGATCTTGATCTCTGACCTTGTGATC 840

Qy 841 TGCCTGCTCGGCTCCCAAGTGTGGATTTACAGGCGTGAGCCACACAGCCCGGCTTA 900
Db 841 TGCCTGCTCGGCTCCCAAGTGTGGATTTACAGGCGTGAGCCACACAGCCCGGCTTA 900

Qy 901 TTTT...TATTTTGTGGTGAATGGAATCTCACTCTGTTACCCAGGCTGAGTGCAAT 960
Db 901 TTTT...TATTTTGTGGTGAATGGAATCTCACTCTGTTACCCAGGCTGAGTGCAAT 960

Qy 961 GGCCAAATCTGGGCTCACTGCAACCTCTGCTCCCGGGCTCAAGGATTTCTCTGTCTCA 1020
Db 961 GGCCAAATCTGGGCTCACTGCAACCTCTGCTCCCGGGCTCAAGGATTTCTCTGTCTCA 1020

Qy 1021 GCTCTCCAAAGCAGCTGGGATTTACGGGCACCTGCGCACACACCCCGCTAAATTTTGTATTT 1080
Db 1021 GCTCTCCAAAGCAGCTGGGATTTACGGGCACCTGCGCACACACCCCGCTAAATTTTGTATTT 1080

Qy 1081 TCATTAGAGCGGGGTTTCAACATATTTGTACGGCTGGTCTCAAACTCTCTGACCTCAGGT 1140
Db 1081 TCATTAGAGCGGGGTTTCAACATATTTGTACGGCTGGTCTCTCAAACTCTCTGACCTCAGGT 1140

Qy 1141 GACCCACCTGCTCAGCCTTCCAAAGTGTGGGATTTACAGGCGTGAGCCACCTCAGCCAG 1200
Db 1141 GACCCACCTGCTCAGCCTTCCAAAGTGTGGGATTTACAGGCGTGAGCCACCTCAGCCAG 1200

Qy 1201 CCGGCTAAATTTAGATAAAAAATATGTAGCAATGGGGGCTTTGCTATGTTGCCAGGCT 1260
Db 1201 CCGGCTAAATTTAGATAAAAAATATGTAGCAATGGGGGCTTTGCTATGTTGCCAGGCT 1260

Qy 1261 GGTCTCAAACTTCTGGCTTCATGCAATCTTCCAAATGAGCCACACACCCAGGCACTCA 1320
Db 1261 GGTCTCAAACTTCTGGCTTCATGCAATCTTCCAAATGAGCCACACACCCAGGCACTCA 1320

Qy 1321 CATTTTAAACAGTTACATCTTTTATTTAGTATATCTAGAAAGTAAATACAATAAACATGT 1380
Db 1321 CATTTTAAACAGTTACATCTTTTATTTAGTATATCTAGAAAGTAAATACAATAAACATGT 1380

Qy 1381 CAACCTGCAAAATTCAGTAGTAACAGAGTTCTTTTATTAATCTTTTAAACAAGCTTTAGAG 1440
Db 1381 CAACCTGCAAAATTCAGTAGTAACAGAGTTCTTTTATTAATCTTTTAAACAAGCTTTAGAG 1440

Qy 1441 CA 1442
Db 1441 CA 1442

RESULT 4
US-09-872-968-1
; Sequence 1, Application US/09872968
; Patent No. 6770797
; GENERAL INFORMATION:
; APPLICANT: Wands, Jack R
; APPLICANT: de la Monte, Suzanne M
; TITLE OF INVENTION: Inhibition of Neurodegeneration
; FILE REFERENCE: 21486-047
; CURRENT APPLICATION NUMBER: US/09/872,968
; CURRENT FILING DATE: 2001-06-01
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 1442
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-872-968-1

Query Match 100.0%; Score 1442; DB 3; Length 1442;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1442; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTT...TTTGTAGATGGAGTTTTCGCTCTGTTGCCAGGCTGGAGTGAATGGCGCAA 60
Db 1 TTTT...TTTGTAGATGGAGTTTTCGCTCTGTTGCCAGGCTGGAGTGAATGGCGCAA 60

Qy 61 TCTCAGCTCACCGCAACCTCCCGGCTTCAAGGATTTCTCTGCGCTCAGCCTCCC 120
Db 61 TCTCAGCTCACCGCAACCTCCCGGCTTCAAGGATTTCTCTGCGCTCAGCCTCCC 120

Qy 121 CAGTAGCTGGGATTTACAGGCATGTGACCCACGCTCGGCTAATTTTGTATTTTGTAG 180
Db 121 CAGTAGCTGGGATTTACAGGCATGTGACCCACGCTCGGCTAATTTTGTATTTTGTAG 180

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QY 181 TAGAGATGGAGTTTCTCCATGTTGGTCAGSCTGGTCTCGAACTCCCGACTCCAGCTCAGATGATC 240
Db 181 TAGAGATGGAGTTTCTCCATGTTGGTCAGSCTGGTCTCGAACTCCCGACTCCAGATGATC 240
QY 241 CCTCCGCTCTGGCTCCCAAGTGTCTAGATACAGGACTGGCCACCACTGCCGCTCTGCC 300
Db 241 CCTCCGCTCTGGCTCCCAAGTGTCTAGATACAGGACTGGCCACCACTGCCGCTCTGCC 300
QY 301 TGGCTAAATTTTGTGTAGAAACAGGGTTTCACTGATGTGCCAAGCTGGTCTCTGAGC 360
Db 301 TGGCTAAATTTTGTGTAGAAACAGGGTTTCACTGATGTGCCAAGCTGGTCTCTGAGC 360
QY 361 TCAAGCAGTCCACTCGCTCAGCTCCCAAGTGTGGGATACAGGCGTGCAGCCGTCG 420
Db 361 TCAAGCAGTCCACTCGCTCAGCTCCCAAGTGTGGGATACAGGCGTGCAGCCGTCG 420
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QY 481 TGCAGTGGTGTATCACACTCACTGACGCTTCAACTCTCTGAGATCAAGCATCTCTCTG 540
Db 481 TGCAGTGGTGTATCACACTCACTGACGCTTCAACTCTCTGAGATCAAGCATCTCTCTG 540
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Db 601 TTTTAAATTTTAAATTTTGAACAGAGTCTCAACTCTGTCAACCAAGGTGAGTGCAGT 660
QY 661 GGGGCAATCTTGGCTCACTGCAACTCTGCTCCCGGGTTCAAGTATTTCTCTCCGCCA 720
Db 661 GGGGCAATCTTGGCTCACTGCAACTCTGCTCCCGGGTTCAAGTATTTCTCTCCGCCA 720
QY 721 GCCTCTGAGTGTGGGACTACAGCGCCCAACAGCTAGCTAATTTTGTATTTT 780
Db 721 GCCTCTGAGTGTGGGACTACAGCGCCCAACAGCTAGCTAATTTTGTATTTT 780
QY 781 TAGTAGAGATGGGTTTCCACTGTTTCGCCAGGTGTGATCTTGATCTCTGGACCTCTGATC 840
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QY 841 TGCCTGCTCGGCTCCCAAGTGTGGATTAAGGGGTGAGCCACCAAGCCCGGCTTA 900
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QY 901 TTTTAAATTTTGTGTTTGAATGGAATCTCACTCTGTTTACCCAGGCTGAGTGCAT 960
Db 901 TTTTAAATTTTGTGTTTGAATGGAATCTCACTCTGTTTACCCAGGCTGAGTGCAT 960
QY 961 GGGCAAAATCTCGGCTCACTGCAACTCTGCTCCCGGGCTCAAGCGATTTCTCTCTCA 1020
Db 961 GGGCAAAATCTCGGCTCACTGCAACTCTGCTCCCGGGCTCAAGCGATTTCTCTCTCA 1020
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QY 1081 TCATTTAGAGGGGGTTTCACTAATTTGTGAGGTGTCTCAACTCTGACCTCAGGT 1140
Db 1081 TCATTTAGAGGGGGTTTCACTAATTTGTGAGGTGTCTCAACTCTGACCTCAGGT 1140
QY 1141 GACCCACCTGCTCAGCTTCCAAAGTGTGGGATTAAGGGGTGAGCCACTCACCAG 1200
Db 1141 GACCCACCTGCTCAGCTTCCAAAGTGTGGGATTAAGGGGTGAGCCACTCACCAG 1200
QY 1201 CCGGCTAATTTAGATAAAAAAATATGTAGCAATGGGGGTCTTGTGATTTGCCCCAGCT 1260
Db 1201 CCGGCTAATTTAGATAAAAAAATATGTAGCAATGGGGGTCTTGTGATTTGCCCCAGCT 1260
QY 1261 GGTCTCAAACTTCTGGCTTATGCAATCTTCCAAATGAGGCAACACCCAGCCAGTCA 1320
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Db 1261 GGTCTCAAACTTCTGGCTTATGCAATCTTCCAAATGAGGCAACACCCAGCCAGTCA 1320
QY 1321 CATTTTTTAAACAGTTACATCTTTATTTTAGTATATACTAGAAAGTAAATACAATAAACATGT 1380
Db 1321 CATTTTTTAAACAGTTACATCTTTATTTTAGTATATACTAGAAAGTAAATACAATAAACATGT 1380
QY 1381 CAAACTGCAAAATTCAGTAGTAAACAGAGTTCTTTTATATACTTTTAAACAAAGCTTTAGAG 1440
Db 1381 CAAACTGCAAAATTCAGTAGTAAACAGAGTTCTTTTATATACTTTTAAACAAAGCTTTAGAG 1440
QY 1441 CA 1442
Db 1441 CA 1442
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RESULT 5

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US-10-153-334-53
; Sequence 53, Application US/10153334
; Patent No. 692486
; GENERAL INFORMATION:
; APPLICANT: AVERBACK, PAUL
; TITLE OF INVENTION: PEPTIDES EFFECTIVE IN THE TREATMENT OF TUMORS AND OTHER
; TITLE OF INVENTION: CONDITIONS REQUIRING THE REMOVAL OR DESTRUCTION OF
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: 59003-000006
; CURRENT APPLICATION NUMBER: US/10/153,334
; CURRENT FILING DATE: 2002-05-24
; PRIOR APPLICATION NUMBER: 60/293,156
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 53
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 53
; LENGTH: 1442
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (15)..(1139)
US-10-153-334-53
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Query Match 100.0%; Score 1442; DB 3; Length 1442;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 1442; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 TTTTATTTTGTAGATGGAGTTTTCGCTCTTGTGTCGCCAGGCTGAGTGCATGCGCAA 60
QY 61 TCTCAGCTCACCGCAACCTCCGCTCCCGGGTTCAAGCGATTTCTCTGCTCAGCTCCC 120
Db 61 TCTCAGCTCACCGCAACCTCCGCTCCCGGGTTCAAGCGATTTCTCTGCTCAGCTCCC 120
QY 121 CAGTAGCTGGGATTAAGGATGTGACCCAGCTCGGCTAATTTTGTATTTTGTAG 180
Db 121 CAGTAGCTGGGATTAAGGATGTGACCCAGCTCGGCTAATTTTGTATTTTGTAG 180
QY 181 TAGAGATGGAGTTTCTCATGTGTGTCAGGCTGTGTCGAACCTCCGACCTCAGATGATC 240
Db 181 TAGAGATGGAGTTTCTCATGTGTGTCAGGCTGTGTCGAACCTCCGACCTCAGATGATC 240
QY 241 CCTCCGCTCAGGCTCCCAAGTGTAGATACAGGACTGGCCACCACTGCCGCTCTGCC 300
Db 241 CCTCCGCTCAGGCTCCCAAGTGTAGATACAGGACTGGCCACCACTGCCGCTCTGCC 300
QY 301 TGGCTAATTTTGTGTAGAAACAGGGTTTCACTGATGTGCCAAGCTGTCTCTGAGC 360
Db 301 TGGCTAATTTTGTGTAGAAACAGGGTTTCACTGATGTGCCAAGCTGTCTCTGAGC 360
QY 361 TCAAGCAGTCCAGCTGCTCAGCTCCCAAGTGTGCGGATTTACAGGCGTGCAGCCGTC 420
Db 361 TCAAGCAGTCCAGCTGCTCAGCTCCCAAGTGTGCGGATTTACAGGCGTGCAGCCGTC 420
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661 GGCGCAATCTTGGCTCACTGCAACCTCTGCTCCCGGGTTCAGTTATCTCTGCCCA 720
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721 GCCTCTGAGTGTGGAGTCAAGGGGCCCAACACCGCTAGCTAATTTTGTATTTT 780
781 TAGTAGAGATGGGGTTCACCATGTTGCGCAGGTTGATCTTGATCTCTGGACCTTGTGATC 840
781 TAGTAGAGATGGGGTTCACCATGTTGCGCAGGTTGATCTTGATCTCTGGACCTTGTGATC 840
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841 TGCCTGCTCGGCTCCCAAGTGTGGAGTCAAGGGGCCCAACACCGCTAGCTAATTTT 900
901 TTTTAAATTTTGTGTTGAAATGGAATCTCACTCTGTTACCCAGGCTGGAGTGAAT 960
901 TTTTAAATTTTGTGTTGAAATGGAATCTCACTCTGTTACCCAGGCTGGAGTGAAT 960
961 GGCCAAATCTCGGCTCACTGCAACCTCTGCTCCCGGGCTCAAGGATCTCTGCTCTCA 1020
961 GGCCAAATCTCGGCTCACTGCAACCTCTGCTCCCGGGCTCAAGGATCTCTGCTCTCA 1020
1021 GCCTCCCAAGCAGTGGGATACGGGCACTGCGCACACCCGCTAATTTTGTATTT 1080
1021 GCCTCCCAAGCAGTGGGATACGGGCACTGCGCACACCCGCTAATTTTGTATTT 1080
1081 TCAATAGAGGGGGGTTTCAACATATTTGTAGGCTGGTCTCAAACTCTGACCTCAGGT 1140
1081 TCAATAGAGGGGGGTTTCAACATATTTGTAGGCTGGTCTCAAACTCTGACCTCAGGT 1140
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1141 GACCACTGCTCAGCCTTCAAAAGTGTGGGATTAAGGGGTGAGCACCCTCACCAG 1200
1201 CCGGCTAATTTAGATAAATAATATGTAGCAATGGGGGTCTTGTATGTGCCAGGCT 1260
1201 CCGGCTAATTTAGATAAATAATATGTAGCAATGGGGGTCTTGTATGTGCCAGGCT 1260
1261 GGTCTCAAACTTCTGGCTTCAATGCAATCTTCAAAATGAGCACAACACCCAGCAGTCA 1320
1261 GGTCTCAAACTTCTGGCTTCAATGCAATCTTCAAAATGAGCACAACACCCAGCAGTCA 1320
1321 CATTTTAAACAGTTTACATCTTTATTTTGTATATCTAGAAAGTAAATACATAAATGT 1380
1321 CATTTTAAACAGTTTACATCTTTATTTTGTATATCTAGAAAGTAAATACATAAATGT 1380
1381 CAAACCTGCAATTCAGTAGTACAGAGTCTTTTATTAATCTTTTAAACAGCTTTAGAG 1440
1381 CAAACCTGCAATTCAGTAGTACAGAGTCTTTTATTAATCTTTTAAACAGCTTTAGAG 1440
1441 CA 1442
1441 CA 1442

RESULT 6
PCT-US95-17111A-120
; Sequence 120, Application PC/TUS9517111A
; GENERAL INFORMATION:
; APPLICANT: de la Monte, Suzanne
; APPLICANT: Wanda, Jack R.
; TITLE OF INVENTION: Neural Thread Protein Gene Expression and
; TITLE OF INVENTION: Detection of Alzheimer's Disease
; NUMBER OF SEQUENCES: 121
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
; STREET: 1100 New York Avenue, Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/17111A
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/340,426
; FILING DATE: 14-NOV-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Ludwig, Steven R.
; REGISTRATION NUMBER: 36,203
; REFERENCE/DOCKET NUMBER: 0609.3840002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 120:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1418 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: both
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 14..1418
PCT-US95-17111A-120
Query Match 84.8%; Score 1223.4; DB 6; Length 1418;
Best Local Similarity 96.9%; Pred. No. 0;
Matches 1375; Conservative 0; Mismatches 31; Indels 13; Gaps 12;
QY 2 TTTTCTTTTTCAGATGGAGTTTTCGCTCTTGTGCCCAGGCTGGAGTGCATGGCGCAAT 61
Db 1 TTTTCTTTTTCAGATGGAGTTTTCGCTCTTGTGCCCAGGCTGGAGTGCATGGCGCAAT 60
QY 62 CTCAGCTCACCGCAACCTCCGCTCCCGGGTTCAAGCGATTCTCTGCTCAGCCTCCCC 121
Db 61 CTCAGCTCACCGCAACCTCCGCTCCCGGGTTCAAGCGATTCTCTGCTCAGCCTCCCC 120
QY 122 AGTA-GCTGGGATTACAGGCATGTGCACCCAGCTCGGCTAATTTTGTATTTTTTTAG 180
Db 121 AGTAGCTGGGATTACAGGCATGTGCA-CCAGCTCGGCTAATTTTGTATTTTTTTAG 179
QY 181 TAGAGATGGAGTTTCTCATGTTTGTGCTAGGCTGGTCTCGAACTCCGACCTCAGATGATC 240
Db 180 TAGAGATGGAGTTTCTCATGTTTGTGCTAGGCTGGTCTCGAACT-CCGACCTCAGATGATC 238
QY 241 CCTCGCTCCGCTCCCAAGTGTAGATACAGGACTGGCCACCATGCCCCG-CTCTGCG 299
Db 239 CTCCTGCTCCGCTCCCAAGTGTAGATACAGGACTGGCCACCATGCCCCGCTCTGCG 298
QY 300 CTGGCTAATTTTGTGGTAGAAACAGGGTTTCACTGATGTGCCAAGCTGGTCTCTGAG 359
Db 299 CTGGCTAATTTTGTGGTAGAAACAGGGTTTCACTGATGTGCCAAGCTGGTCTCTGAG 358


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QY 475 ATGAAGTGCAGTGGTGTGATCAGAGTCTCACTGAGGCTTCAACTCTCTGAGATCAAGC-AT 533
Db 479 ATGAAGTGCAGTGGTGTGATCAGAGTCTCACTGAGGCTTCAACTCTCTGAGATCAAGCAAT 538
QY 534 CTTCTCTGCTCAGCTCCCAAGTAGCTGGGACCAAGAGACATGCACCACTACACCTCGCTA 593
Db 539 CTTCTCTGCTCAGCTCCCAAGTAGCTGGGACCAAGAGACATGCACCACTACACCTCG-TA 597
QY 594 ATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 653
Db 598 ATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 656
QY 654 GTGAGTGGGCAATCTTGGCTCAGTCACTGCACTCTGCTCCCGGGTTCAAGTTATTTCTCC 713
Db 657 GTGAGTGGGCAATCTTGGCTCAGTCACTGCACTCTGCTCCCGGGTTCAAGTTATTTCTCC 716
QY 714 TGCCCCAGGCTCTCTGAGTAGCTGGGACTACAGGCGCCACACGCTCTAGCTAATTTTTTT 773
Db 717 TGCCCCAGGCTCTCTGAGTAGCTGGGACTACAGGCGCCACACGCTCTAGCTAATTTTTTT 776
QY 774 GTATTTTATGATAGATGGG-TTCAACATGTTGCGCAGGTTGATCTTGATCTCTGGACC 832
Db 777 GTATTTTATGATAGATGGGTTTACCATGTTGCGCAGGTTGATCTTGATCTCTTGACC 836
QY 833 TTGTGATCTGCTGCTCGGCT-CCCAAAGTGTGGGATTAACAGCGTGAACCCAGG 891
Db 837 TTGTGATCTGCTGCTCGGCTTACCAAAGTGTGGGATTAACAG-GTCTGACTCCAC 894
QY 892 CCGGCTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 951
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Db 955 GAGTGCATGG-CAATCTCGGCTACTCGCACTCTGCTCCCGGG-TCAAGCGATTCT 1012
QY 1012 CTTGTCTAGCTTCCCAAGCAGCTGGGATTAACAGGCACTGCGCAACACACCCCGCTAAT 1071
Db 1013 CTTGTCTAGCTTCCCAAGCAGCTGGGATTAACAGG-ACCTGCAACACACCCCGCTAAT 1070
QY 1072 TTGTGATTTTCAATAGAGCGGGTTTACCATATTTTGTCTCAGGCT-GGTCTCAAACTCT 1130
Db 1071 TTGTGATTTTCAATAGAGCGGG--TTTACCATATTTGTCTCAGGCTGGGTCTCAAACTCT 1128
QY 1131 GACCTCAGTGAACCACTGCTCAGCTTCCAAAGTGTGGGATTAACAGGCGTGAAGCA 1190
Db 1129 GACCTCAGTGAACCACTGCTCAGCTTCCAAAGTGTGGGATTAACAGGCGTGAAGCA 1188
QY 1191 CTTCAACCGCGGCTAATTTAGATAAATAATATGTAGCAATGGGGGTCTTGCTATGT 1250
Db 1189 CTTCAACCGCGGCTAATTTGGAATAAATAATATGTAGCAATGGGGG-TCTGCTATGT 1246
QY 1251 TGCCCCAGGCTGCTCAAACTCTGGCTCATGCAATCTTCCAAATGAGCCACACACC 1310
Db 1247 TGCCCCAGGCTGCTCAAACTCTGGCTCATGCAATCTTCCAAATGAGCCACACACC 1306
QY 1311 CAGCAGTCAATTTTAAACAGTTACATCTTTTATTTTATTTAGTATAGTAAGTAATACA 1370
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QY 1371 ATAAACATGTCAAC 1385
Db 1367 ATAAACATGTCAAC 1381

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RESULT 9
 US-08-450-673C-49
 ; Sequence 49, Application US/08450673C
 ; Patent No. 594888
 ; GENERAL INFORMATION:
 ; APPLICANT: de la Monte, Suzanne
 ; APPLICANT: Wands, Jack R.

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; TITLE OF INVENTION: Neural Thread Protein Gene Expression and Detection
; TITLE OF INVENTION: of Alzheimer's Disease
; NUMBER OF SEQUENCES: 121
; CORRESPONDENCE ADDRESS:
; ADDRESSES: Sterne, Kessler, Goldstein & Fox P.L.L.C.
; STREET: 1100 New York Avenue, Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/450,673C
; FILING DATE: 30-MAY-1995
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Ludwig, Steven R.
; REGISTRATION NUMBER: 36,203
; REFERENCE/DOCKET NUMBER: 0609.3840004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 49:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1381 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: both
; US-08-450-673C-49

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Query Match 74.9%; Score 1080.2; DB 2; Length 1381;
Best Local Similarity 94.4%; Pred. No. 3.9e-291;
Matches 1317; Conservative 0; Mismatches 53; Indels 25; Gaps 18;

QY 2 TTTTCTTTTTCAGATGGAGTTTTCGCTCTTGTGCGCAGGCTGGAGTGCATGGCGCAAT 61
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Db 121 AGTAGCTGGGATTAACAGGCTATGCA-CCAGCTCGGCTAATTTTGTATTTTATTTT 179
QY 182 AGAGATGGAGTTT-CTCCATGTTGTCAGGCTCGTCTCGAATCTCCGACCTCAGATGAT 239
Db 180 AGAGATGGAGTTTAACTCCATGTTGTCAGGCTCGTCTCGAATCTCCGACCTCAGATGAT 239
QY 240 CCCTCCGCTCTCGGCTCCCAAGTGTCT--AGATACAGGACTGGCCACCATGCCGG-CT 295
Db 240 CTCCCGTCTCGGCTCGCCAAAGTGTCTGAGATTACAGCATGAGCCCATGCCGGCT 299
QY 296 CTGCTCGGCTAATTTTGTGTGATAGAAACAGGGTTTCACTGATG-TGCCAAAGCTGGTCTC 354
Db 300 CTGCTCGGCTAATTTTGTGTGATAGAAACAGGGTTTCACTGATGTTGCCAAAGCTGGTCTC 359
QY 355 CTGAGCTCAAGCAGTCCACCTGCTCAGCCTCCCAAGTGTGGGATTAACAGGCGTGCAG 414
Db 360 CTGAGCTCAAGCAGTCCACCTGCTCAGCCTCCCAAGTGTGGGATTAACAGGCGT-CAG 418
QY 415 CCGTCCGCTGGCTTTTATTTTATTTTATTTTAAAGACACAGGTGTCCCACTCTTACCCAGG 474
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QY 475 ATGAAGTGCAGTGGTGTGATCAGAGCTCACTGAGCCTTCAATCTCTGAGATCAAGC-AT 533
Db 479 ATGAAGTGCAGTGGTGTGATCAGAGCTCACTGAGCCTTCAATCTCTGAGATCAAGCAAT 538

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Qy 534 CCTCTGCTCAGCCTCCCAAGTAGCTGGGACCAAGACATGACCACTACACCTGGCTA 593
Db 539 CCTCTGCTCAGCCTCCCAAGTAGCTGGGACCAAGACATGACCACTACACCTGG-TA 597
Qy 594 ATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 653
Db 598 ATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 656
Qy 654 GTGCAGTGGGCAATCTTGGCTCACTGCACTCTGCTCCCGGGTTCAAGTTATTTCTCC 713
Db 657 GTGCAGTGGGCAATCTTGGCTCACTGCACTCTGCTCCCGGGTTCAAGTTATTTCTCC 716
Qy 714 TGCCCCAGCCTCTGAGTAGCTGGGACTACAGGCGCCCAACACCCCTAGCTAAATTTTTT 773
Db 717 TGCCCCAGCCTCTGAGTAGCTGGGACTACAGGCGCCCAACACCCCTAGCTAAATTTTTT 776
Qy 774 GTATTTTATGATAGATGGGG-TTCACCATGTTCCGCCAGGTTGATCTTGATCTCTTGACC 832
Db 777 GTATTTTATGATAGATGGGGTTTTCACCATGTTCCGCCAGGTTGATCTTGATCTCTTGACC 836
Qy 833 TTGTGATCTGCTCGCTCGGCT-CCCAAAGTGTGGGATACAGGGGTGAGCCACCAAG 891
Db 837 TTGTGATCTGCTCGCTCGGCTACCCCAAAGTGTGGGATACAG--GTGCTGACTCCAC 894
Qy 892 CCCGCTTATTTTAAATTTTGTGTTGAAATGGAATCTCACTCTGTACCCAGGCTG 951
Db 895 GCGGCTTATTTTAAATTTTGTGTTGAAATGGAATCTCACTCTGTACCCAGGCTG 954
Qy 952 GAGTGAATGCGCAATCTCGGCTCACTGCAACCTCTGCTCCCGGGCTCAAGGATCT 1011
Db 955 GAGTGAATGCG-CAAAATCTCGGCTACTCGCAACCTCTGCTCCCGGG-TCAAGGATCT 1012
Qy 1012 CTTGCTCAGCTCCCAAGCAGCTGGGATACGGGCACTGCGCAACCCCGCTAAT 1071
Db 1013 CTTGCTCAGCTCCCAAGCAGCTGGGATACGGG--ACCTGCAACCAACCCCGCTAAT 1070
Qy 1072 TTGTGATTTTCAATAGAGCGGGTTTCCACCATATTTGTCAAGCT-GGTCTCAAACTCT 1130
Db 1071 TTGTGATTTTCAATAGAGCGGG--TTTACCATATTTGTCAAGCTGGGCTCAAACTCT 1128
Qy 1131 GACCTCAGTGACCACTGCTCAGCTTCCAAAGTCTGGGATACAGGCTGAGCCA 1190
Db 1129 GACCTCAGTGACCACTGCTCAGCTTCCAAAGTCTGGGATACAGGCTGAGCCA 1188
Qy 1191 CCTCACCAGCGGCTAAATTTAGATAAAATAATGTAGCAATGGGGGTCTTGCTATGT 1250
Db 1189 CCTCACCAGCGGCTAAATTTGGATAAAATAATGTAGCAATGGGG--TCTGCTATGT 1246
Qy 1251 TGCCCCAGGCTGCTCAAACTTCTGGCTTCATGCAATCTTCCAAATGAGCCCAACACC 1310
Db 1247 TGCCCCAGGCTGCTCAAACTTCTGGCTTCATGCAATCTTCCAAATGAGCCCAACACC 1306
Qy 1311 CAGCAGTCAATTTTAAACAGTTACATCTTTATTTATTTAGTATAGTAAGTAATACA 1370
Db 1307 CAGCAGTCAATTTTAAACAGTTACATCTTTATTTATTTAGTATAGTAAGTAATACA 1366
Qy 1371 ATAAACATGTCAAAC 1385
Db 1367 ATAAACATGTCAAAC 1381
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RESULT 10

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PCT-US95-17111A-49
; Sequence 49, Application PC/TUS9517111A
; GENERAL INFORMATION:
; APPLICANT: de la Monte, Suzanne
; APPLICANT: Wands, Jack R.
; TITLE OF INVENTION: Neural Thread Protein Gene Expression and
; TITLE OF INVENTION: Detection of Alzheimer's Disease
; NUMBER OF SEQUENCES: 121
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
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; STREET: 1100 New York Avenue, Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/17111A
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/340,426
; FILING DATE: 14-NOV-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Ludwig, Steven R.
; REGISTRATION NUMBER: 36,203
; REFERENCE/DOCKET NUMBER: 0609,3840002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 49:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1381 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: both
PCT-US95-17111A-49
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Query Match 74.9%; Score 1080.2; DB 6; Length 1381;
Best Local Similarity 94.4%; Pred. No. 3.9e-291;
Matches 1317; Conservative 0; Mismatches 53; Indels 25; Gaps 18;
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Qy 2 TTTTATTTTTCAGATGAGTTTCGCTCTTGTTCGCCAGGCTGGAGTGCAATGGCGCAAT 61
Db 1 TTTTATTTTTCAGATGAGTTTCGCTCTTGTTCGCCAGGCTGGAGTGCAATGGCGCAAT 60
Qy 62 CTCAGCTCACGCAACCTCCGCTCCCGGGTTCAAGCGATTTCTCCTGCTCAGCCTCCCC 121
Db 61 CTCAGCTCACGCAACCTCCGCTCCCGGGTTCAAGCGATTTCTCCTGCTCAGCCTCCCC 120
Qy 122 AGTAGCTGGGATACAGCATGTGCACCCAGCTCGGCTAATTTTGTATTTTATTTAGT 181
Db 121 AGTAGCTGGGATACAGCATGTGCA-CCACGCTCGGCTAATTTTGTATTTTATTTAGT 179
Qy 182 AGAGATGGAGTTT--CTCCATGTTGGTCAGGCTGGTCTCGAACTCCCGACCTCAGATGAT 239
Db 180 AGAGATGGAGTTTAACTCCATGTTGGTCAGGCTGGTCTCGAACTCCCGACCTCAGATGAT 239
Qy 240 CCCTCCGCTCTCGGCTCCCAAAGTGCT---AGATACAGGACTGGCCACCATGCCGCG-CT 295
Db 240 CTCCCGTCTCGGCTGCCCAAAGTGCTGAGATTACAGGCATGAGCCACCATGCCGCGCT 299
Qy 296 CTGCTGCTGCTAATTTTGTGTAGAAACAGAGTTTCACTGATG-TGCCCAAGCTGGTCTC 354
Db 300 CTGCTGCTGCTAATTTTGTGTAGAAACAGAGTTTCACTGATGTTGCCCAAGCTGGTCTC 359
Qy 355 CTGAGCTCAAGCAGTCCACCTGCTCAGCTCCCAAAGTGTGGGATTTACAGGCGTGCAG 414
Db 360 CTGAGCTCAAGCAGTCCACCTGCTCAGCTCCCAAAGTGTGGGATTTACAGGCGT-CAG 418
Qy 415 CCGTGCCTGGGCTTTTATTTTATTTTATTTTAAAGACACAGGTTGCCACTCTTACCCAGG 474
Db 419 CCGTGCCTGGGCTTTTATTTTATTTTAAAGACACAGGTTGCCACTCTTACCCAGG 478
Qy 475 ATGAAGTGCAGTGGTGTATACAGCTCACTGACGCTTCACTCTGAGTCAAGC-AT 533
Db 479 ATGAAGTGCAGTGGTGTATACAGCTCACTGACGCTTCACTCTGAGTCAAGCAAT 538
Qy 534 CCTCTGCTCAGCCTCCCAAGTAGCTGGGACCAAGACATGCAACCACTACACCTGGCTA 593
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Db	31889	AGCCACTGTGCTGGCGCTGCCAATTTTTTTTTTTTTTTTTTTTGGAGACAAGTCTCGCT	31830
Qy	939	GTTTACCCAGGCTGGAGTGCAATGGCCAAATCTCGGCTCACTGCAACCTCTGCTCCCGGG	998
Db	31829	CTTTCCCGAGCTGGAGTGGAATGGCACCACTCGGCTCACTGCAACCTCTGCTTTTCGGG	31770
Qy	999	CTCAAGCGATTCTCTGTCTCAGCCCTCCCAAGCAGCTGGGATTACGGGCACCTGCGACCA	1058
Db	31769	TTCAAGGGATTCTCTGCGCTCAGCTCTCCCAAGTAGCTAGGACTCAGGCATGTGCCACCA	31710
Qy	1059	CACCCGCGTAATTTTTTGTATTTTTTATTAGAGCGGGTTTACCATAATTTGTCAAGCTGG	1118
Db	31709	CGCGCGGCTAATTTTTTGTATTTTTTAGTAGAGAGAGTTTTCACCAATGTGGCCAGCTGG	31650
Qy	1119	TCTCAAACTCCTGACCTCAGGTGACCCACCTGCGCTCAGCGTTTCCAAAGTGTGGGATTAC	1178
Db	31649	TCTTGAACCTCTAACTTCAGTGTATCCACCGGCTCTGCTCCCAAGTGTGGGNTTAC	31590
Qy	1179	AGGCGTGAGCCACCTCACCCAGCC----GGCTAATTTAGATAAAAAATATGTAGCAATG	1234
Db	31589	AGGCATGAGCCACCAACACCTGGGCTCTGCCCAACTAATTTAAAAAATAATTTGTAGAGA	31530
Qy	1235	GGGGGCTTGCTATGTGTGCCAGGCTGGTCTCAAACTTCTGCTGTCAATGCAATCTTCCA	1294
Db	31529	CAGGATCTCACTATGTGTCCAGACTGGTCTTGAACTCTCTGGGCTTAAGGGATGCTCCTG	31470
Qy	1295	AATGAGCCAC	1304
Db	31469	TCTCAGCCTC	31460

RESULT 12
US-09-949-016-17317/c
; Sequence 17317, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17317
; LENGTH: 42653
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-17317

	Query Match	40.9%	Score 590.4	DB 3	Length 42693
	Best Local Similarity	70.8%	Pred. No. 6.6e-154		
	Matches 941	Conservative 0	Mismatches 346	Indels 43	Gaps 10
QY	4	TTTTTTTTTGAGATGGAGTTTTTCGCTCTTTGTCGCCAGGCTGGAGTGCATGCGCAATCT	63		
DB	42133	TTTTTGTGTGAGATGGAGTTTTT-GCTCTTGTGTCGCCAGGCTGAAGTGTAAATGCGACGATCT	42075		
QY	64	CAGCTCACCGCAACTCCGGCTCCCGGGTTCAAGCGATTTCTTGCTCAGCCTCCCCAG	123		
DB	42074	CAGCTCACCAAACTTCGGCTCCAGGTTCAAGCAATTTCTCTACCTCAGCCTCCGAG	42015		
QY	124	TAGCTGGGTTACAGCGATGTCACCACTCGGCTAAATTTGTATTTTTTTTAGTAG	183		
DB	42014	TAGCTGGGATTCAGGCGATGTGCACCACTGGCTAAATTTTTTGTATTTTTT---	41959		
QY	184	AGATGGAGTTTTCTCCATGTGGTCAGGCTGGTCTCGAACTCCGAGCTCAGATGATCCCT	243		


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; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14370
; LENGTH: 107980
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(107980)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14370

Query Match      36.5%; Score 527; DB 3; Length 107980;
Best Local Similarity 71.2%; Pred. No. 4.7e-136;
Matches 915; Conservative 0; Mismatches 280; Indels 90; Gaps 13;

QY 1 TTTTATTTTGGAGATGGAGTTTTCGCTCTTGTGTTGCCAGGCTGGAGTGCATATGGCGCAA 60
DB 22848 TATTTATTTTATGACAGAGTCTTGCTCTGTACCCAGGCTGGAGTGCAGTGCACGG 22789

QY 61 TCTCAGCTCACGGCAACCTCCGCTCCCGGGTTCAGCGATTCCTCGCTCAGCTCC 120
DB 22788 TCTCGGTTCACTGCAACCTCCGCTCCCGGGTTCAGCGATTCCTCGCTTTCAGCTCC 22729

QY 121 CAGTAGCTGGGATACAGGCATGTGCACCCAGCTCGGCTAATTTGTATTTTGTAG 180
DB 22728 GAGTAGCTGGGATACAGGCATGTGCACCCAGCTCGGCTAATTTTGTATTTTGTAG 22672

QY 181 TAGAGATGGAGTTTCTCCATGTTGTGTCAGGCTGGTCTCGAACTCCCGACCTCAGATGATC 240
DB 22671 TAGAGCGGGTTTTCACCATTTTGGCCAGGCTGGTCTTGATTTCTGACTTC--GTGATC 22614

QY 241 CCTCGTCTCGGCTCCCAAGTGTAGATACAGACTGGCCACCATGCCCGCTCTGCC 300
DB 22613 GCCTGCTCAGCTCCCAAGTGT-----GGGATACAGGCTGGAGCCACACACT 22560

QY 301 TGGCTAATTTTGTGTAGAACAGGTTTCACTGATGTGCCAGCTG----- 349
DB 22559 GGCCTAATTTTATTTTGTGATGAGTCTTGCTCTGTGTGCCAGGCTGGAGTGCAGTGG 22500

QY 350 -----GTCTCTCAGCTCAAGCAGTCCACCTCGCTCAGC 383
DB 22499 TGCCATCTGGCTCACTGCACCTCGGCTCTGGGGTTCAAGTGATTTCTCGCTCAGC 22440

QY 384 CTCCTCAAGTGTGGATTTACAGGCGTGCAGCC-----GTGCTCGCC 426
DB 22439 GTCCGAGTAGCTGGGATTTACAGGCGCAAGCCACCATGCCCGGTAAATTTTGTATTTCT 22380

QY 427 TTTTATTTTATTTTATTTTATGACACAGTGTGCCACTTTACCCAGGATGAAGTGAGT 486
DB 22379 TTTTATTTTATTTTATTTTATGATGGAGTCTCACTCTGTGCCAGGCTGGAGTGCAAC 22320

QY 487 GGTGTGATCACAGCTCACTGACGCTTCAACTCTCTGAGATCAAGC-ATCCTCTCGCTCA 545
DB 22319 AGTGGCATCTTGCTCACTGCAACCTCTGCTCCCGGGTTCAAGCATTCCTCGCTCA 22260

QY 546 GCCTCCCAAGTAGCTGGGACCAAGACATGCAACACTACACTGCTGCTAATTTTAT----- 601
DB 22259 GCCTCCGAGTAGCTGGGATTTACAGGCGCAAGCCACCATGCCCGGTAAATTTTGTATTT 22200

QY 602 -TTTTATTTTAAATTTTATGACAGAGTCTCAACTCTGTACCCAGGCTGGAGTGAGT 660
DB 22199 CTTTCTTTTTTTTTTTTATGATGGAGTCTCACTCTGTCACTTAGGCTGGAGTGCAAC 22140

QY 661 GCGCAATCTTGCTCACTGCAACCTCTGCTCCCGGGTTCAAGTATTTCTCTCGCCCA 720
DB 22139 GGTGGCATCTTGCTCACTGCAACCTCTGCTCCCGGGTTCAAGCATTCCTCGCTCA 22080

QY 721 GCCTCTGAGTAGCTGGGACTACAGCGCCCAACACAGCTAGCTAAT-TTTTTTGTATTT 779
DB 22079 GCCTCTGAGTAGCTGGGATTTATAGATGCTGCCACCATGCCCGGTAAATTTTGTATTT 22020

QY 780 TTAGTAGAGA-TGGGGTTTACCATGTTTCCAGAGTTGATCTTGTGATCTCTGGACCT--TGT 836
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Db 22019 GTAGTAGACAGAGTTTACCATATTTGAACAGGCTGGTCTCGAATCTCTGACCTCAGT 21960
QY 837 GATCTGCTGCTCGCTCCGCTCCCAAGTGTGGGATTTACAGGCTGAGCCACGACGCCGG 896
Db 21959 GATCTGCTGCTCGCTCAGCTCCCAAGTGTGGGATTTACAGGCTGAGCCACGATGCCAG 21900
QY 897 CTTAT-----TTTTAATTTTGTGTTTGAATGGAATCTCACTCTGTTACCC 945
Db 21899 CTTTATCTTTTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTT 21840
QY 946 AGCTGAGTGCATATGCGCCAAATCTCGGCTCACTGCAACCTCTGCTCTCCGGGCTCAAGC 1005
Db 21839 AGCTGAGTGCATGAGCGCAATCTCGGCTCACTGCAACCTCTGCTCTCCGGGTTCAAGC 21780
QY 1006 GATCTCTGCTGCTCAGCTCCCAAGCAGCTGGGATTTACGGGACCTGCCACACACCCCG 1065
Db 21779 GATCTCTGCTGCTCAGCACTGAGTAGCTGGGACTATAGGCACTGCCACGCGCCAG 21720
QY 1066 CTAATTTTCTATTTTCAATTAGAGGGGGGTTTACCACATATTTGTCAGGCTGTCTCAA 1125
Db 21719 CTGATTTTGTG--TTTATGATAGAGACGAGGTTTACCATGTTGGTCAAGCTGTCTTGA 21662
QY 1126 CTCTGACCTCAGTGCACCCACCTGCTCAGCCTTCCAAAGTGTCTGGGATTTACAGGCTG 1185
Db 21661 CCCTGACCTCA--TGATCCGCTGCTTGCCTCCCAAGTGTCTGGATTTACAGGCTG 21604
QY 1186 AGCCACCTCACCCAGCGGCTAATTT 1210
Db 21603 AGCCACCAAGCTGCTTATTTT 21579

RESULT 15
US-09-949-016-11799/c
; Sequence 11799, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11799
; LENGTH: 39552
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(39552)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-11799

Query Match      36.0%; Score 519.6; DB 3; Length 39552;
Best Local Similarity 69.0%; Pred. No. 3.5e-134;
Matches 871; Conservative 0; Mismatches 349; Indels 42; Gaps 10;

QY 1 TTTTATTTTGTAGATGGAGTTTTCGCTCTTGTGTTGCCAGGCTGGAGTGCATATGGCGCAA 60
DB 34421 TTTTATTTTGTAGATGGAG-TTTTCACTCTTGTGTTGCCAGGCTGGAGTGCATATGGCGTGA 34363

QY 61 TCTCAGCTCACCGCAACCTCCGCTCCCGGGTTCAGCGATTCCTCGCTCAGCTCC 120
DB 34362 TCTCAATTCACCGCAACCTCCGCTCCCGGGTTCAGCGATTCCTCGCTCAGCTCC 34303
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QY	121	CAGTAGCTGGGATTTACAGGCATGTGCACCCAGCCTGGCTAAATTTTGTATTTTTTTTAG	180
DB	34302	AAGTAGCTGGGACTACAGGCATGCGCCACACACCTGGCTAAATTTTGTATT-----TTTAG	34247
QY	181	TAGAGATGGAGTTTCTCATGTTGGTCAGGCTGGTCTCGAACTCCCGACCTCAGATGATC	240
DB	34246	TAGAGACGGGGTTTCTCATGTTGGTCAGGCTGGTCTTGAATCCCAACTCAGTGATTT	34187
QY	241	CCTCCGTCCTGGCCTCCCAAAGTGTAGATACAGGACTGGCCACCAATGCCCGGCTCTGCC	300
DB	34186	CACCTGGCCTGGCCTCCCTAAAGT-AATTGAGATTACAGGCGTGAGCCACGCGCTGGCCT	34128
QY	301	TGGGCTAATTTTGTGGTAGAAAAGGGTTTCACTGATGTGCCCAAGCTGGTC-----TC	354
DB	34127	AAATTTTGTATTTTTTAATAGAGATGGGTTTGGCCATGTTGGCCAGGCTGGTCTCCAATTC	34068
QY	355	CTGAGCTCAAGCAGCTCCACCTGCTCAGCCTCCCAAAGTCTGGGATTTACAGGCGTGCAG	414
DB	34067	CTGACCTCAAGTATCACCCGCGCTGTCTCTCCAAAGTGTGGGATTTACAGGCGTGATC	34008
QY	415	CCGTGCTGGCCTTTTATTTTATTTTATTTTAAAGACACAGGTGTGCCACTCTTACCCAGG	474
DB	34007	CACCATGCCAGCCTTCATTTCCCTTTTCAAAGCTGATAATAATTTCACTATATGTATAACC	33948
QY	475	ATGAAGTGCAGTGGTGTGATCACAGCTCACTGAGCGCTTCAACTCTCTGAGATCAAGCATC	534
DB	33947	ACATTGTTTATCTATCTCATCTCATGTAGTAGCTACTCGGTTGTTTCCAAATTTTAAATTTT	33888
QY	535	CTCCCTGCTCAGCCTCCCAAGTAGCTGGGACCAAGACATGCACCACTACACCTGGCTAA	594
DB	33887	TAATTTATTTTATGTTTCATTTATTTTATA-----TTTTCT	33852
QY	595	TTTTTATTTTATTTTAAATTTTTCAGACAGAGTCTCAACTCTGTCAACCAGGCTGGAG	654
DB	33851	TTCTTATTTATTTTATTTTATTTTTCAGACAGAGTCTC-CTCTGTCAACCAGGCTGGAG	33793
QY	655	TGCAGTGGCGCAATCTTGGCTCACTGCGAACCTGTGCTCCCGGTTCAAGTTATTTCTCT	714
DB	33792	TGCCATGGCTCGATGTCACTCACTGCAACCTCTGCTCTCGGTTCAAGTGAATCTCTCT	33733
QY	715	GCCCGACGCTCTGAGTAGCTGGGACTACAGGCGGCCACCAAGCTAGCTAAT-TTTTTT	773
DB	33732	GCCTCAGCTCTCTGAGTAGCTGGGATTTACAGGCATGTGACCAACGCGCGGCTAATTTT	33673
QY	774	GTATTTTATGATAGATGGG-TTCAACCATGTTTCGCCAGTTGATCTTGATCTCTGGACC	832
DB	33672	GTATTTTATGATAGACGGGTTTCAACATGTTGGCCAGCTGGTCTTAAACTCTTGACC	33613
QY	833	T--TGTGATCTGCTGCTCGGCTCCCAAAGTCTGGGATTTACAGGCGTGAGCCACCAAC	890
DB	33612	TCGGGTGACCTGCTGCTCAGCCTCCCAAACCTGTGGGATTTACAGGTGTGAGCCAAGAT	33553
QY	891	GCCCGGCTAATTTTAAATTTTGTGTTTGGAAATGGAAATCTCACTCTGTTACCCAGGCT	950
DB	33552	GCCCAGTGGAGATTTTTTTTTTTTTTTTGTGGGATGGATCTCTCGCTCTTGTGCGCCAGGCT	33493
QY	951	GGAGTGCATGGGCCAAATCTCGGCTCACTGCACAACTCTGCTCCCGGCTCAAGCGATTTC	1010
DB	33492	GGAGTGCATGGGTACGATCTCGGCTCACTGCACAACTGTCTTTCGGGGTCAAAAGATTTC	33433
QY	1011	TCCTGTCTCAGCCTCCCAAGCAGCTGGGATTAAGGGCACCTGCCACCAACACCCCGCTAAT	1070
DB	33432	TCCTGCTCAGCCTCCCGAGCAGCTGGGATTAACAGTGCACACCAACCAAGCTCTGCTAAT	33373
QY	1071	TTTTTGTATTTTCAATAGAGCGGGGTTTCAACATATTTGTACGGCTGTGCTCAAATCTCT	1130
DB	33372	TTTTTATACCTTTTATAGACAGGGGTTTGGCCATGTTGGCCAGGCTAGTCTCAAATCTCT	33313
QY	1131	GACCTCAGGTGACCCACCTGCTCAGCCTTCCAAAGTGTGGGATTTACAGGCGTGAACCA	1190
DB	33312	GCCT-TGGTGTCTGCCCGCTTCGGCCTTCCCAAAGTGTGGGATTTACAGGCATGAACCA	33254
QY	1191	CCTCACCACCGCGCTAAATTTTATAGATAAAAAAATATGTAGCAATGGGGGCTCTTCTCATGT	1250

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GenCore version 5.1.7
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OM nucleic - nucleic search, using sw model

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(without alignments)
9272.506 Million cell updates/sec

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Perfect score: 1442
Sequence: 1 TTTTITTTTTCAGATGGAG.....TTAAACAAAGCTTAGACA 1442

Scoring table: IDENTIFY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 9793542 seqs, 4134689005 residues

Total number of hits satisfying chosen parameters: 19597084

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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9: /cgn2_6/ptodata/1/pubpna/US10E_PUBCOMB.seq:
10: /cgn2_6/ptodata/1/pubpna/US11_PUBCOMB.seq:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1442	100.0	1442	3	US-09-964-666-1 Sequence 1, Appli
2	1442	100.0	1442	3	US-09-964-412-1 Sequence 1, Appli
3	1442	100.0	1442	3	US-09-964-667-1 Sequence 1, Appli
4	1442	100.0	1442	3	US-09-872-968-1 Sequence 1, Appli
5	1442	100.0	1442	3	US-09-964-678A-1 Sequence 1, Appli
6	1442	100.0	1442	5	US-10-146-130-1 Sequence 1, Appli
7	1442	100.0	1442	5	US-10-092-934-1 Sequence 1, Appli
8	1442	100.0	1442	5	US-10-153-334-53 Sequence 53, Appli
9	1442	100.0	1442	5	US-10-198-069-48 Sequence 48, Appli
10	1442	100.0	1442	5	US-10-198-070-125 Sequence 125, App
11	1442	100.0	1442	7	US-10-755-889-409 Sequence 409, App
12	1442	100.0	1442	9	US-10-910-173-1 Sequence 1, Appli
13	1223.4	84.8	1418	3	US-09-964-666-4 Sequence 4, Appli
14	1223.4	84.8	1418	3	US-09-964-412-4 Sequence 4, Appli
15	1223.4	84.8	1418	3	US-09-964-667-4 Sequence 4, Appli
16	1223.4	84.8	1418	3	US-09-964-678A-4 Sequence 4, Appli
17	1080.2	74.9	1381	3	US-09-964-666-3 Sequence 3, Appli
18	1080.2	74.9	1381	3	US-09-964-412-3 Sequence 3, Appli
19	1080.2	74.9	1381	3	US-09-964-667-3 Sequence 3, Appli
20	1080.2	74.9	1381	3	US-09-964-678A-3 Sequence 3, Appli
c 21	590.4	40.9	33112	7	US-10-429-873A-3 Sequence 3, Appli
c 22	590.4	40.9	33112	10	US-11-134-465-3 Sequence 3, Appli
c 23	587.8	40.8	65608	3	US-09-962-436-292 Sequence 292, App

ALIGNMENTS

RESULT 1
US-09-964-666-1
; Sequence 1, Application US/09964666
; Patent No. US20020104108A1
; GENERAL INFORMATION:
; APPLICANT: de la Monte, Suzanne
; Wands, Jack R.
; TITLE OF INVENTION: Transgenic Animals and Cell Lines for
; Screening Drugs Effective for the Treatment or Prevention
; of Alzheimer's Disease
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox, P.L.L.C.
; STREET: 1100 New York Ave., Suite 600
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/964,666
; FILING DATE: 28-Sep-2001
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Esmont, Robert W.
; REGISTRATION NUMBER: 32,893
; REFERENCE/DOCKET NUMBER: 0609.4370000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1442 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: both
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 15..1139
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:

US-09-964-666-1

Sequence 119, App
Sequence 180, App
Sequence 1247, App
Sequence 2751, App
Sequence 6005, App
Sequence 2621, App
Sequence 2257, App
Sequence 129, App
Sequence 5284, App
Sequence 6599, App
Sequence 2008, App
Sequence 1157, App
Sequence 1157, App
Sequence 904, App
Sequence 6768, App
Sequence 3838, App
Sequence 590, App
Sequence 3428, App
Sequence 134, App
Sequence 23, Appl
Sequence 23, Appl

Query Match		100.0%;	Score 1442;	DB 3;	Length 1442;				
Best Local Similarity		100.0%;	Pred. No. 0;						
Matches 1442; Conservative		0;	Mismatches	0;	Indels	0;	Gaps	0;	
Qy	1	TTTTTTTTTTGAGATGAGT	TTTTGCTCTCTGTTGCCCAGGCTGGAGTGC	AAATGGCGCAA	60				
Db	1	TTTTTTTTTTTGGATGAGT	TTTTGCTCTCTGTTGCCCAGGCTGGAGTGC	AAATGGCGCAA	60				
Qy	61	TCTCAGCTCACCGCAACCT	CCCGGCTTCAAGCGATTCTCCTGCGCTCAGCCTCCC	120					
Db	61	TCTCAGCTCACCGCAACCT	CCCGGCTTCAAGCGATTCTCCTGCGCTCAGCCTCCC	120					
Qy	121	CAGTAGCTGGGATATACAG	GCATGTGCACCCACGCTCGGCTAAATTTGTA	TTTTTTAG	180				
Db	121	CAGTAGCTGGGATATACAG	GCATGTGCACCCACGCTCGGCTAAATTTGTA	TTTTTTAG	180				
Qy	181	TAGAGATGGAGTTTCTCA	TGTTGGTCAAGCTGTGCTCGAACTCCCGACCTCAGATGATC	240					
Db	181	TAGAGATGGAGTTTCTCA	TGTTGGTCAAGCTGTGCTCGAACTCCCGACCTCAGATGATC	240					
Qy	241	CCTCGCTCTCGGCTCCCA	AAAGTGTAGATACAGGACTGGCCACCATGCCCGGCTCTGCC	300					
Db	241	CCTCGCTCTCGGCTCCCA	AAAGTGTAGATACAGGACTGGCCACCATGCCCGGCTCTGCC	300					
Qy	301	TGGCTAAATTTTGTGTA	GAACAGGGTTTCACTGATGTGCCAAGCTGGTCTCCTGAGC	360					
Db	301	TGGCTAAATTTTGTGTA	GAACAGGGTTTCACTGATGTGCCAAGCTGGTCTCCTGAGC	360					
Qy	361	TCAAGCAGTCACCTGCTC	AGCCTCCCAAGTGTGAGATACAGGCGTGCAGCCGTGC	420					
Db	361	TCAAGCAGTCACCTGCTC	AGCCTCCCAAGTGTGAGATACAGGCGTGCAGCCGTGC	420					
Qy	421	CTGGCTTTTATTTTAT	TTTTTAAAGACACAGGTGTCCCACTCTTACCCAGGATGAAG	480					
Db	421	CTGGCTTTTATTTTAT	TTTTTAAAGACACAGGTGTCCCACTCTTACCCAGGATGAAG	480					
Qy	481	TGCAGTGTGTGATCACA	GTCACTGCAGCCTTCAACTCTTGAGATCAAGCATCTCTCTG	540					
Db	481	TGCAGTGTGTGATCACA	GTCACTGCAGCCTTCAACTCTTGAGATCAAGCATCTCTCTG	540					
Qy	541	CCTCAGCCTCCCAAGTA	GTGGACCAAGACATGACCACTACACCTGGCTTAATTTTA	600					
Db	541	CCTCAGCCTCCCAAGTA	GTGGACCAAGACATGACCACTACACCTGGCTTAATTTTA	600					
Qy	601	TTTTTATTTTATTTT	TTTAAATTTTGAACAGAGTCTCAACTCTGTCAACCAGGTGGAGTGCAGT	660					
Db	601	TTTTTATTTTATTTT	TTTAAATTTTGAACAGAGTCTCAACTCTGTCAACCAGGTGGAGTGCAGT	660					
Qy	661	GGCGCAATCTTGGCTC	ACTGCAACCTCTGCTCCCGGTTCAAGTTATCTCTCCTGCCCA	720					
Db	661	GGCGCAATCTTGGCTC	ACTGCAACCTCTGCTCCCGGTTCAAGTTATCTCTCCTGCCCA	720					
Qy	721	GGCTCTGAGTAGTGG	AGTACAGGCGCCACCGGCTAGCTAAATTTTGTATTTT	780					
Db	721	GGCTCTGAGTAGTGG	AGTACAGGCGCCACCGGCTAGCTAAATTTTGTATTTT	780					
Qy	781	TAGTAGAGATGGGTT	TCACATGTTCCAGAGTTGATCTCTGACCTCTGTGATC	840					
Db	781	TAGTAGAGATGGGTT	TCACATGTTCCAGAGTTGATCTCTGACCTCTGTGATC	840					
Qy	841	TGCTGCTCCTCGGCT	CCCCAAAGTGTGGATATACAGGCGTGCAGCCACCGCGGCTTA	900					
Db	841	TGCTGCTCCTCGGCT	CCCCAAAGTGTGGATATACAGGCGTGCAGCCACCGCGGCTTA	900					
Qy	901	TTTTTAAATTTTGT	TTGTTGTAATGGATCTCACTCTGTATCCAGGCTGGAGTGCAT	960					
Db	901	TTTTTAAATTTTGT	TTGTTGTAATGGATCTCACTCTGTATCCAGGCTGGAGTGCAT	960					
Qy	961	GGCCAAATCTCGGCT	CACCTGCAACCTCTGCTCCCGGCTCAAGCGATTTCTCTCTCTCA	1020					
Db	961	GGCCAAATCTCGGCT	CACCTGCAACCTCTGCTCCCGGCTCAAGCGATTTCTCTCTCTCA	1020					

Qy	1021	GCCTCCCAAGCAGCTGG	ATTACGGCAGCTGCCACACACCCGCTAAATTTTGTATTT	1080
Db	1021	GCCTCCCAAGCAGCTGG	ATTACGGCAGCTGCCACACACCCGCTAAATTTTGTATTT	1080
Qy	1081	TCATTAGAGCGGGGTTT	CACCATAATTTGTGAGGCTGGTCTCAAACTCTGACCTCAGGT	1140
Db	1081	TCATTAGAGCGGGGTTT	CACCATAATTTGTGAGGCTGGTCTCAAACTCTGACCTCAGGT	1140
Qy	1141	GACCCACCTGCCCTCAG	CGCTTCCAAAGTGTGGGATATACAGGCGTGAGCCACCTCAGCCAG	1200
Db	1141	GACCCACCTGCCCTCAG	CGCTTCCAAAGTGTGGGATATACAGGCGTGAGCCACCTCAGCCAG	1200
Qy	1201	CCGGCTAAATTTAGAT	AAAAAATATGTAGCAATGCGGGGCTTGTCTATGTTGCCAGGCT	1260
Db	1201	CCGGCTAAATTTAGAT	AAAAAATATGTAGCAATGCGGGGCTTGTCTATGTTGCCAGGCT	1260
Qy	1261	GGTCTCAAACTTCTGG	CTTCATGCAATCTTCCAAATGAGCCACCAACACCCAGCCAGTCA	1320
Db	1261	GGTCTCAAACTTCTGG	CTTCATGCAATCTTCCAAATGAGCCACCAACACCCAGCCAGTCA	1320
Qy	1321	CATTTTTTAAACAGT	TACATCTTTATTTTAGTATATCTAGAAAGTAAATAAACAATGT	1380
Db	1321	CATTTTTTAAACAGT	TACATCTTTATTTTAGTATATCTAGAAAGTAAATAAACAATGT	1380
Qy	1381	CAAACTGCAAAATTCAG	TAGTAAACAGATCTTTTATAACTTTTAAACAAAGCTTTAGAG	1440
Db	1381	CAAACTGCAAAATTCAG	TAGTAAACAGATCTTTTATAACTTTTAAACAAAGCTTTAGAG	1440
Qy	1441	CA 1442		
Db	1441	CA 1442		

RESULT 2
US-09-964-412-1
; Sequence 1, Application US/09964412
; Patent No. US20020129391A1
; GENERAL INFORMATION:
; APPLICANT: de la Monte, Suzanne
; Wands, Jack R.
; TITLE OF INVENTION: Transgenic Animals and Cell Lines for
; Screening Drugs Effective for the Treatment or Prevention
; of Alzheimer's Disease
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESS: Sterne, Kessler, Goldstein & Fox, P.L.L.C.
; STREET: 1100 New York Ave., Suite 600
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/964,412
; FILING DATE: 28-Sep-2001
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Emond, Robert W.
; REGISTRATION NUMBER: 32,893
; REFERENCE/POCKET NUMBER: 0609.4370000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1442 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: both

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; MOLECULE TYPE: cdna
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 15..1139
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-964-412-1

Query Match      100.0%; Score 1442; DB 3; Length 1442;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1442; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTTATTTTTCAGATGGAGTTTTCGCTCTGTTGTCAGGCTGGAGTGCATATGGCGCAA 60
DB 1 TTTTATTTTTCAGATGGAGTTTTCGCTCTGTTGTCAGGCTGGAGTGCATATGGCGCAA 60
QY 61 TCTCAGCTCACCGCAACCTCCGCTCCGCGGTTCAGCGATTTCTCTGCTCAGCCTCCC 120
DB 61 TCTCAGCTCACCGCAACCTCCGCTCCGCGGTTCAGCGATTTCTCTGCTCAGCCTCCC 120
QY 121 CAGTAGCTGGGATTACAGGATGTGCACCACTCGGCTAAATTTGTTATTTTATTTAG 180
DB 121 CAGTAGCTGGGATTACAGGATGTGCACCACTCGGCTAAATTTGTTATTTTATTTAG 180
QY 181 TAGAGATGGAGTTTCTCCATGTTGGTTCAGGCTGCTCGAACTCCCGACCTCAGATGATC 240
DB 181 TAGAGATGGAGTTTCTCCATGTTGGTTCAGGCTGCTCGAACTCCCGACCTCAGATGATC 240
QY 241 CTCCGCTCTCGGCTCCCAAGTGTGTAGATACAGGACTGGCCACCACTCCCGCTCTGCC 300
DB 241 CTCCGCTCTCGGCTCCCAAGTGTGTAGATACAGGACTGGCCACCACTCCCGCTCTGCC 300
QY 301 TGGCTAAATTTTGTGTGTAAGAACAGGTTTCTAGTGTGCTGCTGCTGCTGCTGCTGCTG 360
DB 301 TGGCTAAATTTTGTGTGTAAGAACAGGTTTCTAGTGTGCTGCTGCTGCTGCTGCTGCTG 360
QY 361 TCAAGCAGTCCACCTCGCTCAGCTCCCAAGTGTGTGATTTACAGGCTGAGCGCTGC 420
DB 361 TCAAGCAGTCCACCTCGCTCAGCTCCCAAGTGTGTGATTTACAGGCTGAGCGCTGC 420
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DB 481 TGCAGTGTGTGATCACAGTCACTGAGCTTCACTGAGTGTGCTGAGTGTGCTGAGTGTGCTG 540
QY 541 CCTCAGCTCCCAAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 600
DB 541 CCTCAGCTCCCAAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 600
QY 601 TTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 660
DB 601 TTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 660
QY 661 GCGCAATCTTGGCTCACTGCAACCTCTGCTCCCGGTTCAGTATTTCTCTGCTGCCCA 720
DB 661 GCGCAATCTTGGCTCACTGCAACCTCTGCTCCCGGTTCAGTATTTCTCTGCTGCCCA 720
QY 721 GCCTCTCAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 780
DB 721 GCCTCTCAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 780
QY 781 TAGTAGAGTGGGTTTCAACCTGTTTGGCAGGTTGATCTTGATCTCTGATCTCTGATCTGATC 840
DB 781 TAGTAGAGTGGGTTTCAACCTGTTTGGCAGGTTGATCTTGATCTCTGATCTCTGATCTGATC 840
QY 841 TGCCTGCTCGGCTCCCAAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 900
DB 841 TGCCTGCTCGGCTCCCAAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 900
QY 901 TTTTATTTTGTGTTTGAATGGAATCTCACTCTGTTACCGAGCTGGAGTGCAT 960
DB 901 TTTTATTTTGTGTTTGAATGGAATCTCACTCTGTTACCGAGCTGGAGTGCAT 960
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DB 901 TTTTAAATTTTGTGTTGAAATCTCACTCTGTTACCCAGGCTGGAGTGCAT 960
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DB 1021 GCTTCCCAAGCAGCTGGGATTAACGGGCACTGCGCACACACCCCGCTAAATTTTGTATTT 1080
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DB 1081 TCATTAGAGGGGGGTTTCCACCATATTTGTACGGCTGCTCAAACTCTGACCTCAGT 1140
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DB 1141 GACCCACCTGCTCAGGCTTCCAAAGTGTGGGATTTACAGGCTGAGCCACCTCACCCAG 1200
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DB 1261 GGTCTCAAACTTCTGGCTTCATGCAATCTTCCAAATGAGCCACAAACCCAGCAGTCA 1320
QY 1321 CATTTTAAACAGTTACATCTTTATTTTATTTAGTATACTAGAAAGTAAATACATAAACATCT 1380
DB 1321 CATTTTAAACAGTTACATCTTTATTTTATTTAGTATACTAGAAAGTAAATACATAAACATCT 1380
QY 1381 CAAACCTGCAAAATTCAGTAGTAACAGAGTCTCTTTTATACTTTTAAACAAAGCTTTAGAG 1440
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QY 1441 CA 1442
DB 1441 CA 1442

RESULT 3
US-09-964-667-1
; Sequence 1, Application US/09964667
; Publication No. US20030033621A1
; GENERAL INFORMATION:
; APPLICANT: de la Monte, Suzanne
; Wanda, Jack R.
; TITLE OF INVENTION: Transgenic Animals and Cell Lines for
; Screening Drugs Effective for the Treatment or Prevention
; of Alzheimer's Disease
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox, P.L.L.C.
; STREET: 1100 New York Ave., Suite 600
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3934
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/964,667
; FILING DATE: 28-Sep-2001
; CLASSIFICATION: <unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Esmond, Robert W.
; REGISTRATION NUMBER: 32,893
; REFERENCE/DOCKET NUMBER: 0609.4370000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
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; INFORMATION FOR SEQ ID NO: 1:			
; SEQUENCE CHARACTERISTICS:			
; LENGTH: 1442 base pairs			
; TYPE: nucleic acid			
; STRANDEDNESS: double			
; TOPOLOGY: both			
; MOLECULE TYPE: cDNA			
; FEATURE:			
; NAME/KEY: CDS			
; LOCATION: 15..1139			
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:			
US-09-964-667-1			
Query Match 100.0%; Score 1442; DB 3; Length 1442;			
Best Local Similarity 100.0%; Pred. No. 0;			
Matches 1442; Conservative 0; Mismatches 0; Indels 0; Gaps 0;			
QY	1	TTTTTTTTTTGAGATGGAGTTTTCGCTCTTGTGTTGCCAGGCTGGAGTGCATATGGCGCAA	60
DB	1	TTTTTTTTTTGAGATGGAGTTTTCGCTCTTGTGTTGCCAGGCTGGAGTGCATATGGCGCAA	60
QY	61	TCTCAGCTCACCAGCACTCCGCTCCGCGTTCAAGCGATTCTCCTGCGCTCAGCCTCCC	120
DB	61	TCTCAGCTCACCAGCACTCCGCTCCGCGTTCAAGCGATTCTCCTGCGCTCAGCCTCCC	120
QY	121	CAGTAGCTGGGATTTACAGGCATGTGCACCCAGCTCGGCTAAATTTTGTATTTTTTTAG	180
DB	121	CAGTAGCTGGGATTTACAGGCATGTGCACCCAGCTCGGCTAAATTTTGTATTTTTTTAG	180
QY	181	TAGAGATGGAGTTTCTCATGTTGGTCTAGGCTGTGCGAATCTCCGACCTCAGATGATC	240
DB	181	TAGAGATGGAGTTTCTCCATGTTGGTCTAGGCTGTGCGAATCTCCGACCTCAGATGATC	240
QY	241	CCTCGCTCTCGGCTCCCAAGTGTCTAGATACAGGACTGGCCACCATGCCGGCTCTGCC	300
DB	241	CCTCGCTCTCGGCTCCCAAGTGTCTAGATACAGGACTGGCCACCATGCCGGCTCTGCC	300
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QY	361	TCAAGCAGTCCACTCGCTCAGCTCCCAAGTGTGGGATTAAGGCGTGGAGCGCTGC	420
DB	361	TCAAGCAGTCCACTCGCTCAGCTCCCAAGTGTGGGATTAAGGCGTGGAGCGCTGC	420
QY	421	CTGGCTTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT	480
DB	421	CTGGCTTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT	480
QY	481	TGCAGTGGTGTGATCACAGCTCACTGCGAGCTTTCAACTCTCTGAGATCAAGCATCTCTG	540
DB	481	TGCAGTGGTGTGATCACAGCTCACTGCGAGCTTTCAACTCTCTGAGATCAAGCATCTCTG	540
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QY	601	TTTTTATTTTAAATTTTGTAGACAGAGTCTCAACTCTGTCAACCTGCTGAGATCAAGCATCTCTG	660
DB	601	TTTTTATTTTAAATTTTGTAGACAGAGTCTCAACTCTGTCAACCTGCTGAGATCAAGCATCTCTG	660
QY	661	GGCGCAATCTTGGCTCAGCTGCAACCTCTGCTCCCGGGTTCAAGTTATTTCTCTCGCCCCA	720
DB	661	GGCGCAATCTTGGCTCAGCTGCAACCTCTGCTCCCGGGTTCAAGTTATTTCTCTCGCCCCA	720
QY	721	GCTCTCTGAGTGTGGGACTACAGGGCGGCCACCAAGCTAGCTAAATTTTGTATTTT	780
DB	721	GCTCTCTGAGTGTGGGACTACAGGGCGGCCACCAAGCTAGCTAAATTTTGTATTTT	780
QY	781	TAGTAGAGATGGGGTTCAACATGTTCCGACGGTTGATCTTTGATCTCTGACCTTGTGATC	840
DB	781	TAGTAGAGATGGGGTTCAACATGTTCCGACGGTTGATCTTTGATCTCTGACCTTGTGATC	840

QY	841	TGCTTGCCTCGGCTCCCAAGTGTGGGATTTACAGGCGTGAGCCACACCGCCGGCTTA	900
DB	841	TGCTTGCCTCGGCTCCCAAGTGTGGGATTTACAGGCGTGAGCCACACCGCCGGCTTA	900
QY	901	TTTTTAAATTTTGTGTTTGTGTTGAAATGGAATCTCAGCTCTGTTACCCAGGCTGGAGTCAAT	960
DB	901	TTTTTAAATTTTGTGTTTGTGTTGAAATGGAATCTCAGCTCTGTTACCCAGGCTGGAGTCAAT	960
QY	961	GGCCAAATCTCGGCTCAGTGCACCTCTGCTCCCGGGCTCAAGCGATTCTCTCTGCTCA	1020
DB	961	GGCCAAATCTCGGCTCAGTGCACCTCTGCTCCCGGGCTCAAGCGATTCTCTCTGCTCA	1020
QY	1021	GCTTCCCAAGCAGCTGGGATTTACGGGCACTGCGCACACACCCCGCTAAATTTTGTATTT	1080
DB	1021	GCTTCCCAAGCAGCTGGGATTTACGGGCACTGCGCACACACCCCGCTAAATTTTGTATTT	1080
QY	1081	TCATTAGAGCGGGGTTTCAACATATTTGTTCAGGCTGGTCTCAAACTCTCTGAGCTCAGGT	1140
DB	1081	TCATTAGAGCGGGGTTTCAACATATTTGTTCAGGCTGGTCTCAAACTCTCTGAGCTCAGGT	1140
QY	1141	GACCCACCTGCTCAGCCTTCCAAAGTGTGGGATTTACAGGCGTGAGCCACCTCACCAG	1200
DB	1141	GACCCACCTGCTCAGCCTTCCAAAGTGTGGGATTTACAGGCGTGAGCCACCTCACCAG	1200
QY	1201	CCGGCTAAATTTAGATAAAAAATATGTAGCAATGGGGGTCTTGTCTATGTTGCCAGGCT	1260
DB	1201	CCGGCTAAATTTAGATAAAAAATATGTAGCAATGGGGGTCTTGTCTATGTTGCCAGGCT	1260
QY	1261	GGTCTCAAACTTCTGGCTTCATGCAATCTTCCAAATGAGCCCAACACCCAGGCAAGTCA	1320
DB	1261	GGTCTCAAACTTCTGGCTTCATGCAATCTTCCAAATGAGCCCAACACCCAGGCAAGTCA	1320
QY	1321	CATTTTTTAAACAGTTACATCTTTATTTTATTTAGTATATACAGAAAGTAAATACAAATAGT	1380
DB	1321	CATTTTTTAAACAGTTACATCTTTATTTTATTTAGTATATACAGAAAGTAAATACAAATAGT	1380
QY	1381	CAAACTGCAATTCAGTAGTACAGAGTTCTTTTAACTTTTAAACAAAGCTTTTAGAG	1440
DB	1381	CAAACTGCAATTCAGTAGTACAGAGTTCTTTTAACTTTTAAACAAAGCTTTTAGAG	1440
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DB	1441	CA 1442	

RESULT 4

US-09-872-968-1

; Sequence 1, Application US/09872968

; Publication No. US20030050262A1

; GENERAL INFORMATION:

; APPLICANT: Wands, Jack R

; APPLICANT: de la Monte, Suzanne M

; TITLE OF INVENTION: Inhibition of Neurodegeneration

; FILE REFERENCE: 21486-047

; CURRENT APPLICATION NUMBER: US/09/872,968

; CURRENT FILING DATE: 2001-06-01

; NUMBER OF SEQ ID NOS: 2

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 1

; LENGTH: 1442

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-872-968-1

Query Match 100.0%; Score 1442; DB 3; Length 1442;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 1442; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTT

DB 1 TTTT

QY 61 TCTC

DB 61 TCTC

QY 121 CAGT

DB 121 CAGT

QY 181 TAGA

DB 181 TAGA

QY 241 CCTC

DB 241 CCTC

QY 301 TGGC

DB 301 TGGC

QY 361 TCAAG

DB 361 TCAAG

QY 421 CTGG

DB 421 CTGG

QY 481 TGCAG

DB 481 TGCAG

QY 541 CCTC

DB 541 CCTC

QY 601 TTTT

DB 601 TTTT

QY 661 GGCG

DB 661 GGCG

QY 721 GCCT

DB 721 GCCT

QY 781 TAGT

DB 781 TAGT

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 121 CAGTAGCTGGATTACAGGATGTGCAACCAAGCTCGGCTAAATTTTGTATTTTGTAG 180
 121 CAGTAGCTGGATTACAGGATGTGCAACCAAGCTCGGCTAAATTTTGTATTTTGTAG 180
 181 TAGAGATGAGTTTCTCCATGTTGGTTCAGGCTGGTCTCGAATCTCCGAGCTCAGATGATC 240
 181 TAGAGATGAGTTTCTCCATGTTGGTTCAGGCTGGTCTCGAATCTCCGAGCTCAGATGATC 240
 241 CCTCCGCTCTCGGCTCCCAAGTGCTAGATACAGGACTGGCCACCAATGCCGCTCTGCC 300
 241 CCTCCGCTCTCGGCTCCCAAGTGCTAGATACAGGACTGGCCACCAATGCCGCTCTGCC 300
 301 TGGCTAAATTTTGTGTGTAAGAACAGGGTTTCACTGATGTGCCAAGCTGCTCTCTGAGC 360
 301 TGGCTAAATTTTGTGTGTAAGAACAGGGTTTCACTGATGTGCCAAGCTGCTCTCTGAGC 360
 361 TCAAGCAGTCCACCTCGCTCAGCTCCCAAGTGCTGGGATTTACAGGCGTGCAGCGTGC 420
 361 TCAAGCAGTCCACCTCGCTCAGCTCCCAAGTGCTGGGATTTACAGGCGTGCAGCGTGC 420
 421 CTGGCTCTTTTATTTTATTTTATTTTAAAGACAGGTTGCCACTCTTACCCAGGATGAAG 480
 421 CTGGCTCTTTTATTTTATTTTATTTTAAAGACAGGTTGCCACTCTTACCCAGGATGAAG 480
 481 TGCAGTGTGTGATACAGCTCACTGACGCTTCAACTCTCTGAGATCAAGCATCTCTCTG 540
 481 TGCAGTGTGTGATACAGCTCACTGACGCTTCAACTCTCTGAGATCAAGCATCTCTCTG 540
 541 CCTCAGCTCCCAAGTAGTGGGACCAAGATGATGATGATGATGATGATGATGATGATGAT 600
 541 CCTCAGCTCCCAAGTAGTGGGACCAAGATGATGATGATGATGATGATGATGATGATGAT 600
 601 TTTTATTTTATTTTATTTTATTTTAAAGACAGGTTGCCACTCTTACCCAGGATGAAG 660
 601 TTTTATTTTATTTTATTTTATTTTAAAGACAGGTTGCCACTCTTACCCAGGATGAAG 660
 661 GGGCAATCTTGGCTCACTGCAACCTCTGCTCCCGGGTTCAAGTTATTTCTCTGCCCA 720
 661 GGGCAATCTTGGCTCACTGCAACCTCTGCTCCCGGGTTCAAGTTATTTCTCTGCCCA 720
 721 GCCTCTGAGTAGTGGGACTACAGGCGCCCAAGCTGCTGCTGCTGCTGCTGCTGCTGCTG 780
 721 GCCTCTGAGTAGTGGGACTACAGGCGCCCAAGCTGCTGCTGCTGCTGCTGCTGCTGCTG 780
 781 TAGTAGAGATGGGTTTCACTGTTCCGAGGTTGATCTTGATCTCTGAGCTGTGATC 840
 781 TAGTAGAGATGGGTTTCACTGTTCCGAGGTTGATCTTGATCTCTGAGCTGTGATC 840
 841 TGCCTGCTCGGCTCCCAAGTGCTGGGATTTACAGGCGTGAGCCACCAAGCTGCTGCTCA 900
 841 TGCCTGCTCGGCTCCCAAGTGCTGGGATTTACAGGCGTGAGCCACCAAGCTGCTGCTCA 900
 901 TTTTATTTTATTTTGTGTTTGAATGGAATCTCACTGTTTACCAGGCTGAGTGCAAT 960
 901 TTTTATTTTATTTTGTGTTTGAATGGAATCTCACTGTTTACCAGGCTGAGTGCAAT 960
 961 GGGCAATCTCGGCTCACTGCAACCTCTGCTCCCGGGTTCAAGGATTTCTCTGCTCA 1020
 961 GGGCAATCTCGGCTCACTGCAACCTCTGCTCCCGGGTTCAAGGATTTCTCTGCTCA 1020
 1021 GCCTCCCAAGCAGCTGGGATTTACGGGACCTGCGCACCAAGCTGCTGCTGCTCA 1080
 1021 GCCTCCCAAGCAGCTGGGATTTACGGGACCTGCGCACCAAGCTGCTGCTGCTCA 1080
 1081 TCATTAGAGGGGGGTTTCAATATTTGTGAGGCTGTGCTCAAACTCTGACCTCAGGT 1140
 1081 TCATTAGAGGGGGGTTTCAATATTTGTGAGGCTGTGCTCAAACTCTGACCTCAGGT 1140
 1141 GACCACCTGCTCAGCTTCCAAAGTGTGGGATTTACAGGCGTGCAGCACTCACCAG 1200

1141 GACCACCTGCTCAGCTTCCAAAGTGTGGGATTTACAGGCGTGCAGCACTCACCAG 1200
 1201 CCGGCTAAATTTAGATAAAAAAATATGTAGCAATGGGGGTCTTGCTATGCTGCCAGGCT 1260
 1201 CCGGCTAAATTTAGATAAAAAAATATGTAGCAATGGGGGTCTTGCTATGCTGCCAGGCT 1260
 1261 GGTCTCAAACTTCTGGCTTCATGCAATCTTCCAAATGAGCCACCAACCCAGCCAGTCA 1320
 1261 GGTCTCAAACTTCTGGCTTCATGCAATCTTCCAAATGAGCCACCAACCCAGCCAGTCA 1320
 1321 CATTTTAAACAGTTACATCTTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 1380
 1321 CATTTTAAACAGTTACATCTTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 1380
 1381 CAAACCTGCAATTCAGTAGTAACAGAGTCTTTTATTTTATTTTATTTTATTTTATTTT 1440
 1381 CAAACCTGCAATTCAGTAGTAACAGAGTCTTTTATTTTATTTTATTTTATTTTATTTT 1440
 1441 CA 1442
 1441 CA 1442

RESULT 5
 US-09-964-678A-1
 ; Sequence 1, Application US/09964678A
 ; Publication No. US20030066097A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Wands, Jack R.
 ; APPLICANT: Wands, Jack R.
 ; TITLE OF INVENTION: Transgenic Animals and Cell Lines for Screening Drugs
 ; TITLE OF INVENTION: Effective for the Treatment or Prevention of
 ; TITLE OF INVENTION: Alzheimer's Disease
 ; FILE REFERENCE: 0609.4370002
 ; CURRENT APPLICATION NUMBER: US/09/964,678A
 ; PRIOR FILING DATE: 2001-09-28
 ; PRIOR APPLICATION NUMBER: 09/380,203
 ; PRIOR FILING DATE: 2000-04-25
 ; PRIOR APPLICATION NUMBER: PCT/US98/03685
 ; PRIOR FILING DATE: 1998-02-26
 ; PRIOR APPLICATION NUMBER: 60/038,908
 ; PRIOR FILING DATE: 1997-02-26
 ; NUMBER OF SEQ ID NOS: 14
 ; SOFTWARE: Patent in version 3.1
 ; SEQ ID NO 1
 ; LENGTH: 1442
 ; TYPE: DNA
 ; ORGANISM: Unknown
 ; FEATURE:
 ; OTHER INFORMATION: AD7c-NTP cdna
 ; NAME/KEY: CDS
 ; LOCATION: (15)..(1139)
 ; OTHER INFORMATION:
 US-09-964-678A-1

Query Match 100.0%; Score 1442; DB 3; Length 1442;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 1442; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 60
 DB 1 TTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTT 60
 QY 61 TCTCAGCTCAGCGCAACTCCGCTCCCGGTTCAAGCGATTCTCTGCTCAGCCTCCC 120
 DB 61 TCTCAGCTCAGCGCAACTCCGCTCCCGGTTCAAGCGATTCTCTGCTCAGCCTCCC 120
 QY 121 CAGTAGCTGGGATTTACAGGATGTGCAACCAAGCTCGGCTAAATTTTGTATTTTGTAG 180
 DB 121 CAGTAGCTGGGATTTACAGGATGTGCAACCAAGCTCGGCTAAATTTTGTATTTTGTAG 180
 QY 181 TAGAGATGAGTTTCTCCATGTTGGTTCAGGCTGGTCTCGAATCTCCGAGCTCAGATGATC 240

Db 181 TAGAGATGGAGTTCTCCATGTTGGTCAGGCTGGTCTCGAACTCCCGACCTCAGATGATC 240
 Qy 241 CCTCCGCTCTGGGCTCCAAAGTCTAGATACAGGACTGGCCACCATGCGCGGCTCTGCC 300
 Db 241 CCTCCGCTCTGGGCTCCAAAGTCTAGATACAGGACTGGCCACCATGCGCGGCTCTGCC 300
 Qy 301 TGGCTAATTTTGTGTAGAAACAGGGTTTCACTGATGTGCCCAAGCTGGTCTCTCAGC 360
 Db 301 TGGCTAATTTTGTGTAGAAACAGGGTTTCACTGATGTGCCCAAGCTGGTCTCTCAGC 360
 Qy 361 TCAAGCAGTCCACCTGCTCAGCTCCCAAGTCTGGGATTTACAGGCGTGACCCGCTGC 420
 Db 361 TCAAGCAGTCCACCTGCTCAGCTCCCAAGTCTGGGATTTACAGGCGTGACCCGCTGC 420
 Qy 421 CTGGCCTTTTATTTTATTTTAAAGACACAGGTTTCCACTCTTACCCAGATGAAG 480
 Db 421 CTGGCCTTTTATTTTATTTTAAAGACACAGGTTTCCACTCTTACCCAGATGAAG 480
 Qy 481 TGCAGTGGTGTGATCAGCTCAGCTGACGCTTCACTCCTGAGATCAAGCATCCTCTG 540
 Db 481 TGCAGTGGTGTGATCAGCTCAGCTGACGCTTCACTCCTGAGATCAAGCATCCTCTG 540
 Qy 541 CCTCAGCTCCCAAGTCTGGGACCAAGACATGCACCACTACACCTGGGCTAATTTT 600
 Db 541 CCTCAGCTCCCAAGTCTGGGACCAAGACATGCACCACTACACCTGGGCTAATTTT 600
 Qy 601 TTTTATTTTAAATTTTGTAGACAGAGTCTCAACTCTGTCAACCAGGCTGGAGTGCAGT 660
 Db 601 TTTTATTTTAAATTTTGTAGACAGAGTCTCAACTCTGTCAACCAGGCTGGAGTGCAGT 660
 Qy 661 GGCGCAATCTGGCTCAGTCACTGCAACTCTGCTCCCGGGTTCAAGTTATCTCCGCCCA 720
 Db 661 GGCGCAATCTGGCTCAGTCACTGCAACTCTGCTCCCGGGTTCAAGTTATCTCCGCCCA 720
 Qy 721 GCCTCCTCAGTAGCTGGGACTACAGCGCCCAACACGCTAGCTAATTTTGTATTTT 780
 Db 721 GCCTCCTCAGTAGCTGGGACTACAGCGCCCAACACGCTAGCTAATTTTGTATTTT 780
 Qy 781 TAGTAGAGATGGGTTCCACATGTTTGGCAGGTGATCTTGATCTCTGGAATCTGTGATC 840
 Db 781 TAGTAGAGATGGGTTCCACATGTTTGGCAGGTGATCTTGATCTCTGGAATCTGTGATC 840
 Qy 841 TGCCTGCTCCGCTCCCAAGTCTGGGATTTACAGGCGTGAGCCACACCGCGGCTTA 900
 Db 841 TGCCTGCTCCGCTCCCAAGTCTGGGATTTACAGGCGTGAGCCACACCGCGGCTTA 900
 Qy 901 TTTTAAATTTTGTGTTGAAATGGAACTCTCACTCTGTTACCCAGGCTGGAGTGCAT 960
 Db 901 TTTTAAATTTTGTGTTGAAATGGAACTCTCACTCTGTTACCCAGGCTGGAGTGCAT 960
 Qy 961 GGCCAAATCTCGGCTCAGTCACTGCAACTCTGCTCCCGGGCTCAAGCGATTCCTCTCA 1020
 Db 961 GGCCAAATCTCGGCTCAGTCACTGCAACTCTGCTCCCGGGCTCAAGCGATTCCTCTCA 1020
 Qy 1021 GCCTCCCAAGCAGCTGGGATTTACGGGCACCTGCGACCAACCCCGCTAATTTTGTATTT 1080
 Db 1021 GCCTCCCAAGCAGCTGGGATTTACGGGCACCTGCGACCAACCCCGCTAATTTTGTATTT 1080
 Qy 1081 TCATTTAGAGCGGGGTTTCCACATATTTGTAGGCTGGTCTCAAACTCTCTGACCTCAGT 1140
 Db 1081 TCATTTAGAGCGGGGTTTCCACATATTTGTAGGCTGGTCTCAAACTCTCTGACCTCAGT 1140
 Qy 1141 GACCCACCTGCTCAGCTTCCAAAGTGTGGGATTTACAGGCGTGAGCCACCTCAACCAG 1200
 Db 1141 GACCCACCTGCTCAGCTTCCAAAGTGTGGGATTTACAGGCGTGAGCCACCTCAACCAG 1200
 Qy 1201 CCGGCTAATTTAGATAAATAATATGATAGCAATGGGGGCTCTGTATGTTGCCAGGCT 1260
 Db 1201 CCGGCTAATTTAGATAAATAATATGATAGCAATGGGGGCTCTGTATGTTGCCAGGCT 1260
 Qy 1261 GGTCTCAAACTTCTGGCTTCAATGCAATCTTCCAAATGAGCCACACCCAGGATGA 1320
 Db 1261 GGTCTCAAACTTCTGGCTTCAATGCAATCTTCCAAATGAGCCACACCCAGGATGA 1320

Qy 1321 CATTTTAAACAGTTTACATCTTTTATTTTAGTATACAGAAAGTAAATACAAATAAACATGT 1380
 Db 1321 CATTTTAAACAGTTTACATCTTTTATTTTAGTATACAGAAAGTAAATACAAATAAACATGT 1380
 Qy 1381 CAAACCTGCAAAATTCAGTAGTAAACAGAGTTCTTTTATAACTTTTAAACAAAGCTTTAGAG 1440
 Db 1381 CAAACCTGCAAAATTCAGTAGTAAACAGAGTTCTTTTATAACTTTTAAACAAAGCTTTAGAG 1440
 Qy 1441 CA 1442
 Db 1441 CA 1442
 RESULT 6
 US-10-146-130-1
 ; Sequence 1, Application US/10146130
 ; Publication No. US2003004107A1
 ; GENERAL INFORMATION:
 ; APPLICANT: AVERBACK, PAUL
 ; TITLE OF INVENTION: METHOD OF PREVENTING CELL DEATH USING SEGMENTS OF
 ; FILE REFERENCE: 59003.000007
 ; CURRENT APPLICATION NUMBER: US/10/146.130
 ; CURRENT FILING DATE: 2002-08-06
 ; NUMBER OF SEQ ID NOS: 43
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 1
 ; LENGTH: 1442
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (15)..(1139)
 US-10-146-130-1
 Query Match 100.0%; Score 1442; DB 5; Length 1442;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 1442; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 TTTTATTTTGTAGATGGAGTTTTCGCTCTTGTGTTGCCAGGCTGGAGTGCATGGCGAA 60
 Db 1 TTTTATTTTGTAGATGGAGTTTTCGCTCTTGTGTTGCCAGGCTGGAGTGCATGGCGAA 60
 Qy 61 TCTCAGCTCACCAGCACTCCGCTCCGGGTTCAAGCGATTTCTCCCTCAGCTCCC 120
 Db 61 TCTCAGCTCACCAGCACTCCGCTCCGGGTTCAAGCGATTTCTCCCTCAGCTCCC 120
 Qy 121 CAGTAGCTGGGATTTACAGGATGTGCACCCACGCTCGGCTAATTTTGTATTTTATAG 180
 Db 121 CAGTAGCTGGGATTTACAGGATGTGCACCCACGCTCGGCTAATTTTGTATTTTATAG 180
 Qy 181 TAGAGATGGAGTTTCTCCATGTTGGTCAAGGCTGGTCTCGAATCTCCGACCTCAGATGATC 240
 Db 181 TAGAGATGGAGTTTCTCCATGTTGGTCAAGGCTGGTCTCGAATCTCCGACCTCAGATGATC 240
 Qy 241 CCTCGCTCCGCTCCCAAGAGTCTAGATACAGGACTGGCCACCATGCCGCTCTGCC 300
 Db 241 CCTCGCTCCGCTCCCAAGAGTCTAGATACAGGACTGGCCACCATGCCGCTCTGCC 300
 Qy 301 TGGCTAATTTTGTGTAGAAACAGGGTTTCACTGATGTGCCCAAGCTGGTCTCTCAGC 360
 Db 301 TGGCTAATTTTGTGTAGAAACAGGGTTTCACTGATGTGCCCAAGCTGGTCTCTCAGC 360
 Qy 361 TCAAGCAGTCCACCTGCTCAGCTCCCAAGTGTGGGATTTACAGGCGTGAGCCGCTGC 420
 Db 361 TCAAGCAGTCCACCTGCTCAGCTCCCAAGTGTGGGATTTACAGGCGTGAGCCGCTGC 420
 Qy 421 CTGGCCTTTTATTTTATTTTAAAGACACAGGTTTCCACTCTTACCCAGGATGAAG 480
 Db 421 CTGGCCTTTTATTTTATTTTAAAGACACAGGTTTCCACTCTTACCCAGGATGAAG 480
 Qy 481 TGCAGTGGTGTGATCAGCTCAGCTCAGCTTCAACTCTCTGAGATCAAGCATCCTCTG 540


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481 TGCAAGTGGTGTGATCACAGCTCACTGAGCTTCACTCTGAGATCAAGCATCTCTCTG 540
541 CCTCAGCTCCCAAGTAGCTGGGACCAAGACATGACCACTACACCTGGCTAAATTTTAA 600
541 CCTCAGCTCCCAAGTAGCTGGGACCAAGACATGACCACTACACCTGGCTAAATTTTAA 600
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601 TTTTAAATTTTAAATTTTAAATTTTAAATTTTAAATTTTAAATTTTAAATTTTAAAT 660
661 GGCGCAATCTTGCTCTCACTGCAACCTCTGCTCCCGGGTTCAAGTTAATTTCTCTGCCCA 720
661 GGCGCAATCTTGCTCTCACTGCAACCTCTGCTCCCGGGTTCAAGTTAATTTCTCTGCCCA 720
721 GCTCTCTGAGTGTGGGACTACAGCGGCCCAACAGCGCTAGCTAAATTTTGTATTTT 780
721 GCTCTCTGAGTGTGGGACTACAGCGGCCCAACAGCGCTAGCTAAATTTTGTATTTT 780
781 TAGTAGAGATGGGTTTCAACATGTTGCGCAGGTTGATCTTGATCTCTGACCTTGTGATC 840
781 TAGTAGAGATGGGTTTCAACATGTTGCGCAGGTTGATCTTGATCTCTGACCTTGTGATC 840
841 TGCTGCTCTGCGCTCCCAAGTGTGGAATACAGCGGTGAGCCACACCGCGCTTGA 900
841 TGCTGCTCTGCGCTCCCAAGTGTGGAATACAGCGGTGAGCCACACCGCGCTTGA 900
901 TTTTAAATTTTGTGTTGAAATGGAATCTCACTCTGTTACCCAGGCTGGAGTGCAAT 960
901 TTTTAAATTTTGTGTTGAAATGGAATCTCACTCTGTTACCCAGGCTGGAGTGCAAT 960
961 GGCGCAATCTTGCTCTCACTGCAACCTCTGCTCCCGGGTTCAAGGATTTCTCTGCTCA 1020
961 GGCGCAATCTTGCTCTCACTGCAACCTCTGCTCCCGGGTTCAAGGATTTCTCTGCTCA 1020
1021 GCTCTCCCAAGTGTGGGATTAAGGCACTGCGCACCACACCGCGCTAAATTTTGTATTT 1080
1021 GCTCTCCCAAGTGTGGGATTAAGGCACTGCGCACCACACCGCGCTAAATTTTGTATTT 1080
1081 TCATTAGAGCGGGGTTTCAACATATTTGTGAGGCTGGTCTCAAACTCTGACCTCAGGT 1140
1081 TCATTAGAGCGGGGTTTCAACATATTTGTGAGGCTGGTCTCAAACTCTGACCTCAGGT 1140
1141 GACCCACCTGCTCAGCTTCCAAAGTGTGGGATTAAGGCGTGAGCCACCTCAACCCAG 1200
1141 GACCCACCTGCTCAGCTTCCAAAGTGTGGGATTAAGGCGTGAGCCACCTCAACCCAG 1200
1201 CCGGCTAAATTTAGATAAAAAAATATGTAGCAATGGGGGTTCTGCTATGTTGCCAGGCT 1260
1201 CCGGCTAAATTTAGATAAAAAAATATGTAGCAATGGGGGTTCTGCTATGTTGCCAGGCT 1260
1261 GGTCTCAAACTTCTGGCTTCATGCAATCTTCCAAATGAGCCACCAACCCAGCCAGTCA 1320
1261 GGTCTCAAACTTCTGGCTTCATGCAATCTTCCAAATGAGCCACCAACCCAGCCAGTCA 1320
1321 CATTTTTTAAACAGTTACATCTTTATTTTATGATATCTAGAAAGTAAACAATAAATGT 1380
1321 CATTTTTTAAACAGTTACATCTTTATTTTATGATATCTAGAAAGTAAACAATAAATGT 1380
1381 CAAACCTGCAATTCAGTAGTAAACAGAGTTCTTTTATTAACCTTTTAAACAAAGCTTTAG 1440
1381 CAAACCTGCAATTCAGTAGTAAACAGAGTTCTTTTATTAACCTTTTAAACAAAGCTTTAG 1440
1441 CA 1442
1441 CA 1442

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RESULT 7
 US-10-092-934-1
 ; Sequence 1, Application US/10092934
 ; Publication No. US20030054990A1
 ; GENERAL INFORMATION:

; APPLICANT: AVERBACK, PAUL
 ; TITLE OF INVENTION: METHODS OF USING NEURAL THREAD PROTEINS TO TREAT TUMORS
 ; TITLE OF INVENTION: AND CONDITIONS REQUIRING THE REMOVAL OR DESTRUCTION OF
 ; TITLE OF INVENTION: CELLS
 ; FILE REFERENCE: 018792-0199
 ; CURRENT APPLICATION NUMBER: US/10/092,934
 ; CURRENT FILING DATE: 2002-06-05
 ; PRIOR APPLICATION NUMBER: 60/273,957
 ; PRIOR FILING DATE: 2001-03-08
 ; NUMBER OF SEQ ID NOS: 11
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 1
 ; LENGTH: 1442
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (15)..(1139)
 ; US-10-092-934-1

Query Match 100.0%; Score 1442; DB 5; Length 1442;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 1442; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	TTTTTTTTTTGAGATGGAGTTTTCGCTCTTGTTCGCCAAGGCTGAGTGCAATGGCGCAA	60
Db	1	TTTTTTTTTTTGGAGATGGAGTTTTCGCTCTTGTTCGCCAAGGCTGAGTGCAATGGCGCAA	60
Qy	61	TCTCAGCTCACCGCAACCTCCGCTCCCGGGTTCAAGCGATTTCTCTGCTCAGCTCCC	120
Db	61	TCTCAGCTCACCGCAACCTCCGCTCCCGGGTTCAAGCGATTTCTCTGCTCAGCTCCC	120
Qy	121	CAGTAGCTGGGATTAACAGCGATGTGCACCCAGCTCGGCTAAATTTGTATTTTTTTTAG	180
Db	121	CAGTAGCTGGGATTAACAGCGATGTGCACCCAGCTCGGCTAAATTTGTATTTTTTTTAG	180
Qy	181	TAGAGATGGAGTTTCTCCATGTGGTCTCAGGCTGGTCTCGAACTCCCGACCTCAGATGATC	240
Db	181	TAGAGATGGAGTTTCTCCATGTGGTCTCAGGCTGGTCTCGAACTCCCGACCTCAGATGATC	240
Qy	241	CCTCGCTCTCGGCTCCCAAGTGTGATACAGGCTGGGCAACCATGCCGGCTCTGCC	300
Db	241	CCTCGCTCTCGGCTCCCAAGTGTGATACAGGCTGGGCAACCATGCCGGCTCTGCC	300
Qy	301	TGGCTAAATTTTGTGTAGAAACAGGGTTTCACTGATGTGCCCAAGCTGGTCTCTCTGAGC	360
Db	301	TGGCTAAATTTTGTGTAGAAACAGGGTTTCACTGATGTGCCCAAGCTGGTCTCTCTGAGC	360
Qy	361	TCAAGCAGTCCACTGCTCAGCTCCCAAGTGTGGGATTAACAGGCGTGACGCCGTGC	420
Db	361	TCAAGCAGTCCACTGCTCAGCTCCCAAGTGTGGGATTAACAGGCGTGACGCCGTGC	420
Qy	421	CTGGCTTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT	480
Db	421	CTGGCTTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT	480
Qy	481	TGCAAGTGTGTGATCAACAGCTCACTGAGCTTCAAACTCTCTGAGATCAAGCATCTCTCTG	540
Db	481	TGCAAGTGTGTGATCAACAGCTCACTGAGCTTCAAACTCTCTGAGATCAAGCATCTCTCTG	540
Qy	541	CCTCAGCTCCCAAGTAGTGGGACCAAGACATGCAACCTACACCTGGCTAAATTTTAA	600
Db	541	CCTCAGCTCCCAAGTAGTGGGACCAAGACATGCAACCTACACCTGGCTAAATTTTAA	600
Qy	601	TTTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT	660
Db	601	TTTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT	660
Qy	661	GGCGCAATCTTGGCTCACTGCAACCTCTGCTCCCGGGTTCAAGTTAATTTCTCTGCCCA	720
Db	661	GGCGCAATCTTGGCTCACTGCAACCTCTGCTCCCGGGTTCAAGTTAATTTCTCTGCCCA	720
Qy	721	GCCTCCTGAGTGTGGGACTACAGCGGCCCAACAGCGCTAGCTAAATTTTGTATTTT	780

Db	721	GCCTCTGAGTAGCTGGGACTACAGGCGGCCACACGCGCTAGCTAAATTTTTTTTGATTTT	780
Qy	781	TAGTAGAGATGGGGTTCACCATGTTGCCAGGTTGATCTTGATCTCTGGACCTTGTGATC	840
Db	781	TAGTAGNATGGGGTTCACCATGTTGCCAGGTTGATCTTGATCTCTGGACCTTGTGATC	840
Qy	841	TGCGTGCCTCGGCTCCCAAAGTGTGGGATTAACAGCGGTGAGCCACACGCCCGGCTTA	900
Db	841	TGCGTGCCTCGGCTCCCAAAGTGTGGGATTAACAGCGGTGAGCCACACGCCCGGCTTA	900
Qy	901	TTTTTAATTTTTTGTGTTTGAATGGAATCTCACTCTGTTACCGAGGTGAGTGCAT	960
Db	901	TTTTTAATTTTTTGTGTTTGAATGGAATCTCACTCTGTTACCGAGGTGAGTGCAT	960
Qy	961	GGCCAAATCTCGGCTCACTGCAACCTCTGCTCCCGGGCTCAAGCGATTCCTGCTCTCA	1020
Db	961	GGCCAAATCTCGGCTCACTGCAACCTCTGCTCCCGGGCTCAAGCGATTCCTGCTCTCA	1020
Qy	1021	GCCTCCCAAGCAGCTGGGATTAAGGCGACCTGCGCACCTGCCACACACCCCGCTAAATTTTGTATTT	1080
Db	1021	GCCTCCCAAGCAGCTGGGATTAAGGCGACCTGCGCACCTGCCACACACCCCGCTAAATTTTGTATTT	1080
Qy	1081	TCATTAGAGGCGGGTTTCAACATATTTGTCAAGCTGGTCTCAAACCTCTGACCTCAGGT	1140
Db	1081	TCATTAGAGGCGGGTTTCAACATATTTGTCAAGCTGGTCTCAAACCTCTGACCTCAGGT	1140
Qy	1141	GACCCACCTGCGCTCAGCGTTCCAAAGTGTGGGATTAACAGCGGTGAGCCACCTCACCCAG	1200
Db	1141	GACCCACCTGCGCTCAGCGTTCCAAAGTGTGGGATTAACAGCGGTGAGCCACCTCACCCAG	1200
Qy	1201	CCGGCTAAATTTAGATAAAAAATATGTAGCAAATGGGGGGTCTTGCTATGTTGCCAGGCT	1260
Db	1201	CCGGCTAAATTTAGATAAAAAATATGTAGCAAATGGGGGGTCTTGCTATGTTGCCAGGCT	1260
Qy	1261	GGTCTCAAACCTCTGGCTTCAATCAATCTTCCAAATGAGCCACAAACCCAGCCAGTCA	1320
Db	1261	GGTCTCAAACCTCTGGCTTCAATCAATCTTCCAAATGAGCCACAAACCCAGCCAGTCA	1320
Qy	1321	CATTTTTTAAACAGTTACATCTTTTATTTTAGTATACTAGAAAGTAATACAAATAACATGT	1380
Db	1321	CATTTTTTAAACAGTTACATCTTTTATTTTAGTATACTAGAAAGTAATACAAATAACATGT	1380
Qy	1381	CAAACTGCAAAATTCAGTAGTAACAGAGTCTCTTTTATAACTTTTTTAAACAAGCTTTAGAG	1440
Db	1381	CAAACTGCAAAATTCAGTAGTAACAGAGTCTCTTTTATAACTTTTTTAAACAAGCTTTAGAG	1440
Qy	1441	CA 1442	
Db	1441	CA 1442	

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RESULT 8
US-10-153-334-53
; Sequence 53, Application US/10153334
; Publication No. US20030096350A1
; GENERAL INFORMATION:
; APPLICANT: AVERBACK, PAUL
; TITLE OF INVENTION: PEPTIDES EFFECTIVE IN THE TREATMENT OF TUMORS AND OTHER
; TITLE OF INVENTION: CONDITIONS REQUIRING THE REMOVAL OR DESTRUCTION OF
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: 59003-000006
; CURRENT APPLICATION NUMBER: US/10/153,334
; CURRENT FILING DATE: 2002-05-24
; PRIOR APPLICATION NUMBER: 60/293,156
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 53
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 53
; LENGTH: 1442
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:

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Db 961 GGGCAATCTCGGCTCACTGCAACCTCTGGCTCCCGGGCTCAAGCGGATTCCTCTGCTCA 1020
Qy 1021 GCTTCCCAAGCAGCTGGGATTTACGGGCACCTGCGCACCAACACCCCGCTAAATTTTGTATTT 1080
Db 1021 GCTTCCCAAGCAGCTGGGATTTACGGGCACCTGCGCACCAACACCCCGCTAAATTTTGTATTT 1080
Qy 1081 TCATTAGAGCGGGGTTTACCAATATTTGTAGGCTGGTCTCAAACTCTCTGAGCTCAGGT 1140
Db 1081 TCATTAGAGCGGGGTTTACCAATATTTGTAGGCTGGTCTCAAACTCTCTGAGCTCAGGT 1140
Qy 1141 GACCCACCTCGCTCAGCTTCCAAAGTGTGGGATTTACAGCGCTGAGCCACCTCACCAG 1200
Db 1141 GACCCACCTCGCTCAGCTTCCAAAGTGTGGGATTTACAGCGCTGAGCCACCTCACCAG 1200
Qy 1201 CCGGCTAAATTTAGATAAAAAATATGTAGCAATGGGGGCTTTGTATGTGCGCCAGGCT 1260
Db 1201 CCGGCTAAATTTAGATAAAAAATATGTAGCAATGGGGGCTTTGTATGTGCGCCAGGCT 1260
Qy 1261 GGTCTCAAACTTCTGGCTTCATGCAATCTTCAAAATGAGCCACCAACACCCAGCGTCA 1320
Db 1261 GGTCTCAAACTTCTGGCTTCATGCAATCTTCAAAATGAGCCACCAACACCCAGCGTCA 1320
Qy 1321 CATTTTAAACAGTTTACATCTTTATTTAGTATCTAGAAAGTAAATACAATAAACATGT 1380
Db 1321 CATTTTAAACAGTTTACATCTTTATTTAGTATCTAGAAAGTAAATACAATAAACATGT 1380
Qy 1381 CAACTCGCAATTCAGTAGTAAACAGAGTTCTTTTATAACTTTTAAACAAAGCTTTAGAG 1440
Db 1381 CAACTCGCAATTCAGTAGTAAACAGAGTTCTTTTATAACTTTTAAACAAAGCTTTAGAG 1440
Qy 1441 CA 1442
Db 1441 CA 1442

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RESULT 9

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US-10-198-069-48
; Sequence 48, Application US/10198069
; Publication No. US2003096756A1
; GENERAL INFORMATION:
; APPLICANT: AVERBACK, PAUL
; TITLE OF INVENTION: PEPTIDES EFFECTIVE IN THE TREATMENT OF TUMORS AND OTHER
; TITLE OF INVENTION: CONDITIONS REQUIRING THE REMOVAL OR DESTRUCTION OF
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: 59003.000009
; CURRENT APPLICATION NUMBER: US/10/198,069
; PRIOR FILING DATE: 2002-07-19
; PRIOR APPLICATION NUMBER: 60/306,161
; PRIOR FILING DATE: 2001-07-19
; PRIOR APPLICATION NUMBER: 60/306,150
; PRIOR FILING DATE: 2001-07-19
; PRIOR APPLICATION NUMBER: 60/331,477
; PRIOR FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 48
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 48
; LENGTH: 1442
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (15)..(1139)
US-10-198-069-48

```

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Query Match 100.0%; Score 1442; DB 5; Length 1442;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1442; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 TTTTATTTTTCAGATGGAGTTTTCGCTCTGTCGCCAGGCTGAGTGCATGGCGCAA 60
Db 1 TTTTATTTTTCAGATGGAGTTTTCGCTCTGTCGCCAGGCTGAGTGCATGGCGCAA 60

```

```

Qy 61 TCTAGCTCACCGCAACCTCTCCGCTCCCGGGTTCAAGCGGATTCCTCTGCTCAGCCTCCC 120
Db 61 TCTAGCTCACCGCAACCTCTCCGCTCCCGGGTTCAAGCGGATTCCTCTGCTCAGCCTCCC 120
Qy 121 CAGTAGCTGGGATTTACAGGCAATGTGCAACCACTGCTCGGCTAAATTTTGTATTTTGTAG 180
Db 121 CAGTAGCTGGGATTTACAGGCAATGTGCAACCACTGCTCGGCTAAATTTTGTATTTTGTAG 180
Qy 181 TAGAGATGAGATTTCTCCATGTTGGTCAAGCTGGTCTCGAACTCCCGGACTCAGATGATC 240
Db 181 TAGAGATGAGATTTCTCCATGTTGGTCAAGCTGGTCTCGAACTCCCGGACTCAGATGATC 240
Qy 241 CTTCTCGTCTCGGCTCTCCAAAGTGTAGATACAGGCTGCGCCACCACTGCGGCTCTGCC 300
Db 241 CTTCTCGTCTCGGCTCTCCAAAGTGTAGATACAGGCTGCGGCTGCGGCTCTGCC 300
Qy 301 TGGCTAAATTTTGTGGTGAACAGGGTTTCACTGATGTGCGCAAGCTGGTCTCTGAGC 360
Db 301 TGGCTAAATTTTGTGGTGAACAGGGTTTCACTGATGTGCGCAAGCTGGTCTCTGAGC 360
Qy 361 TCAAGCAGTCCACCTGCGCTCAGCCTCCCAAGTGTGGGATTTACAGGCGTGCAGCGTGC 420
Db 361 TCAAGCAGTCCACCTGCGCTCAGCCTCCCAAGTGTGGGATTTACAGGCGTGCAGCGTGC 420
Qy 421 CTGGCTTTTATTTTATTTTATTTTAAAGACACAGGTGTCCCACTCTTACCCAGGATGAAG 480
Db 421 CTGGCTTTTATTTTATTTTATTTTAAAGACACAGGTGTCCCACTCTTACCCAGGATGAAG 480
Qy 481 TGCAGTGGTGTGATCAGAGCTCAGCTGAGCGCTTCAACTCTCTGAGATCAAGCATCTCTCTG 540
Db 481 TGCAGTGGTGTGATCAGAGCTCAGCTGAGCGCTTCAACTCTCTGAGATCAAGCATCTCTCTG 540
Qy 541 CCTCAGCTCCCAAGTGTGGGACCAAGACATGCACACCTACACCTGCGCTAAATTTTAA 600
Db 541 CCTCAGCTCCCAAGTGTGGGACCAAGACATGCACACCTACACCTGCGCTAAATTTTAA 600
Qy 601 TTTTATTTTAAATTTTGTGAGACAGAGTCTCAACTCTGTCAACCAGGCTGGAGTGCAGT 660
Db 601 TTTTATTTTAAATTTTGTGAGACAGAGTCTCAACTCTGTCAACCAGGCTGGAGTGCAGT 660
Qy 661 GGGCAATCTGGGCTCACTGCAACCTCTGCTCCCGGGTTCAAGTATTTCTCTGCGCCCA 720
Db 661 GGGCAATCTGGGCTCACTGCAACCTCTGCTCCCGGGTTCAAGTATTTCTCTGCGCCCA 720
Qy 721 GCTCTCTGAGTAGCTGGGACTACAGCGCCCAACACCTGCTCAAGTAAATTTTGTATTTT 780
Db 721 GCTCTCTGAGTAGCTGGGACTACAGCGCCCAACACCTGCTCAAGTAAATTTTGTATTTT 780
Qy 781 TAGTAGAGATGGGTTTCAACATGTTTCCGAGGTTGATCTTGATCTCTGAGACCTTGTGATC 840
Db 781 TAGTAGAGATGGGTTTCAACATGTTTCCGAGGTTGATCTTGATCTCTGAGACCTTGTGATC 840
Qy 841 TGCCTGCTCGGCTCTCCAAAGTGTGGGATTTACAGGCTGAGCCACCAACCGCGGCTTA 900
Db 841 TGCCTGCTCGGCTCTCCAAAGTGTGGGATTTACAGGCTGAGCCACCAACCGCGGCTTA 900
Qy 901 TTTTATTTTGTGTTTGAATTTGAATTTGAATTTGAATTTGAATTTGAATTTGAATTT 960
Db 901 TTTTATTTTGTGTTTGAATTTGAATTTGAATTTGAATTTGAATTTGAATTTGAATTT 960
Qy 961 GGCCAAATCTCGGCTCACTGCAACCTCTGCTCCCGGGCTCAAGCGATTCCTCTGCTCA 1020
Db 961 GGCCAAATCTCGGCTCACTGCAACCTCTGCTCCCGGGCTCAAGCGATTCCTCTGCTCA 1020
Qy 1021 GCCTCCCAAGCAGCTGGGATTTACGGGCACCTGCGCACCAACACCCCGCTAAATTTTGTATTT 1080
Db 1021 GCCTCCCAAGCAGCTGGGATTTACGGGCACCTGCGCACCAACACCCCGCTAAATTTTGTATTT 1080
Qy 1081 TCATTAGAGCGGGGTTTACCAATATTTGTAGGCTGGTCTCAAACTCTCTGAGCTCAGGT 1140
Db 1081 TCATTAGAGCGGGGTTTACCAATATTTGTAGGCTGGTCTCAAACTCTCTGAGCTCAGGT 1140
Qy 1141 GACCCACCTCGCTCAGCTTCCAAAGTGTGGGATTTACAGGCGTGCAGCGTGCAGCCAG 1200

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Db 1141 GACCCAGCTGCTCAGGCTTCCAAAGTGTGGGATACAGCGTGAGCCACCTCACCCAG 1200
Qy 1201 CCGGCTAATTTAGATAAAAAAATATGTAGCAATGGGGGTCTTGTCTATGTTGCCAGGCT 1260
Db 1201 CCGGCTAATTTAGATAAAAAAATATGTAGCAATGGGGGTCTTGTCTATGTTGCCAGGCT 1260
Qy 1261 GGTCTCAAACTTCTGGCTTCATGCAATCCTTCCAAATGAGGCCACAACCAGCCAGTCA 1320
Db 1261 GGTCTCAAACTTCTGGCTTCATGCAATCCTTCCAAATGAGGCCACAACCAGCCAGTCA 1320
Qy 1321 CATTTTTTAAACAGTTACATCTTTATTTAGTACTAGAAAGTAATACATAAACAATGT 1380
Db 1321 CATTTTTTAAACAGTTACATCTTTATTTAGTACTAGAAAGTAATACATAAACAATGT 1380
Qy 1381 CAAACCTGCAAAATCAGTAGTAACAGAGTCTTTTATAACTTTTAAACAAAGCTTTAGAG 1440
Db 1381 CAAACCTGCAAAATCAGTAGTAACAGAGTCTTTTATAACTTTTAAACAAAGCTTTAGAG 1440
Qy 1441 CA 1442
Db 1441 CA 1442

RESULT 10
US-10-198-070-125
; Sequence 125, Application US/10198070
; Publication No. US20030109437A1
; GENERAL INFORMATION:
; APPLICANT: AVERBACK, PAUL
; APPLICANT: GEMMELI, JACK
; TITLE OF INVENTION: PEPTIDES EFFECTIVE IN THE TREATMENT OF TUMORS AND OTHER
; TITLE OF INVENTION: CONDITIONS REQUIRING THE REMOVAL OR DESTRUCTION OF
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: 59003.000008
; CURRENT APPLICATION NUMBER: US/10/198,070
; CURRENT FILING DATE: 2002-07-19
; PRIOR APPLICATION NUMBER: 60/306,161
; PRIOR FILING DATE: 2001-07-19
; PRIOR APPLICATION NUMBER: 60/306,150
; PRIOR FILING DATE: 2001-07-19
; PRIOR APPLICATION NUMBER: 60/331,477
; PRIOR FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 125
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 125
; LENGTH: 1442
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (15)..(1139)
US-10-198-070-125

Query Match 100.0%; Score 1442; DB 5; Length 1442;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1442; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 TTTTTTTTTTTCAGATGGAGTTTTCGCTCTGTGCGCAGGCTGGAGTGCATGGCGCAA 60
Db 1 TTTTTTTTTTTCAGATGGAGTTTTCGCTCTGTGCGCAGGCTGGAGTGCATGGCGCAA 60
Qy 61 TCTCAGCTCAGCGCAACCTCCGCTCCCGGTTTCAAGCGATTTCTCTGCTCAGCTCCC 120
Db 61 TCTCAGCTCAGCGCAACCTCCGCTCCCGGTTTCAAGCGATTTCTCTGCTCAGCTCCC 120
Qy 121 CAGTAGCTGGATACAGCATGTGCAACCGCTCGGCTAATTTTGTATTTTTTTAG 180
Db 121 CAGTAGCTGGATACAGCATGTGCAACCGCTCGGCTAATTTTGTATTTTTTTAG 180
Qy 181 TAGAGATGAGTTTCTCCATGTTGGTCAGGCTGGTCTCGAACTCCGACCTCAGATGATC 240
Db 181 TAGAGATGAGTTTCTCCATGTTGGTCAGGCTGGTCTCGAACTCCGACCTCAGATGATC 240

Qy 241 CCTCCGCTCGGCTCCCAAGTGTAGATACAGGAGTGGCCACCATGCCGCTCTGCC 300
Db 241 CCTCCGCTCGGCTCCCAAGTGTAGATACAGGAGTGGCCACCATGCCGCTCTGCC 300
Qy 301 TGGCTAATTTTGTGTGTAGAAAACAGGGTTTCACTGTATGTGCCCAAGCTGTCTCTGAGC 360
Db 301 TGGCTAATTTTGTGTGTAGAAAACAGGGTTTCACTGTATGTGCCCAAGCTGTCTCTGAGC 360
Qy 361 TCAAGCAGTCCACCTGCTCAGCTCCAAAGTGTGGGATTTACAGCGGTGCAGCCGTGC 420
Db 361 TCAAGCAGTCCACCTGCTCAGCTCCAAAGTGTGGGATTTACAGCGGTGCAGCCGTGC 420
Qy 421 CTGGCTTTTATTTTATTTTATTTTAAAGACACAGGTGTCCACCTCTTACCCAGGATGAAG 480
Db 421 CTGGCTTTTATTTTATTTTATTTTAAAGACACAGGTGTCCACCTCTTACCCAGGATGAAG 480
Qy 481 TGCAGTGTGTGATCAGCTCAGCTCAGCTCAGCTCAGCTCAGCTCAGCTCAGCTCAGCT 540
Db 481 TGCAGTGTGTGATCAGCTCAGCTCAGCTCAGCTCAGCTCAGCTCAGCTCAGCTCAGCT 540
Qy 541 CCTCAGCTCCCAAGTAGCTGGGACCAAGACATGCAACCTACCTGGCTAATTTTAA 600
Db 541 CCTCAGCTCCCAAGTAGCTGGGACCAAGACATGCAACCTACCTGGCTAATTTTAA 600
Qy 601 TTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTT 660
Db 601 TTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTT 660
Qy 661 GGGCAATCTTGGCTCACTGCAACCTCTGCTCCCGGGTTCAAGTTATTTCTCTGCCCA 720
Db 661 GGGCAATCTTGGCTCACTGCAACCTCTGCTCCCGGGTTCAAGTTATTTCTCTGCCCA 720
Qy 721 GCCTCTGAGTAGCTGGGACTACAGGCGCCACACCGCTAGCTAAATTTTGTATTTT 780
Db 721 GCCTCTGAGTAGCTGGGACTACAGGCGCCACACCGCTAGCTAAATTTTGTATTTT 780
Qy 781 TAGTAGAGTGGGTTTCCCAATGTTTCCCAAGTGTGATCTTGATCTCTGGACCTTGTGATC 840
Db 781 TAGTAGAGTGGGTTTCCCAATGTTTCCCAAGTGTGATCTTGATCTCTGGACCTTGTGATC 840
Qy 841 TGCCTGCTCGGCTCCCAAGTGTCTGGGATTAAGGCGTGGAGTGCACACCGCGGCTTA 900
Db 841 TGCCTGCTCGGCTCCCAAGTGTCTGGGATTAAGGCGTGGAGTGCACACCGCGGCTTA 900
Qy 901 TTTTAAATTTTGTGTTTGAATGGAATCTCACTCTGTTTACCCAGCTGGAGTGCAT 960
Db 901 TTTTAAATTTTGTGTTTGAATGGAATCTCACTCTGTTTACCCAGCTGGAGTGCAT 960
Qy 961 GGGCAATCTCGGCTCACTGCAACCTCTGCTCCCGGGTCAAGCGATTTCTCTGTCTCA 1020
Db 961 GGGCAATCTCGGCTCACTGCAACCTCTGCTCCCGGGTCAAGCGATTTCTCTGTCTCA 1020
Qy 1021 GCCTCCCAAGCAGCTGGGATTAAGGCGACCTGCGCACCAACCGCGCTAATTTTGTATTT 1080
Db 1021 GCCTCCCAAGCAGCTGGGATTAAGGCGACCTGCGCACCAACCGCGCTAATTTTGTATTT 1080
Qy 1081 TCATTAGAGCGGGTTTACCATATTTTGTGAGGCTGTCTCAAACTCTGACCTCAGGT 1140
Db 1081 TCATTAGAGCGGGTTTACCATATTTTGTGAGGCTGTCTCAAACTCTGACCTCAGGT 1140
Qy 1141 GACCCAGCTGCTCAGCTTCCAAAGTGTGGGATTTACAGCGGTGAGCCACCTCACCCAG 1200
Db 1141 GACCCAGCTGCTCAGCTTCCAAAGTGTGGGATTTACAGCGGTGAGCCACCTCACCCAG 1200
Qy 1201 CCGGCTAATTTAGATAAAAAAATATGTAGCAATGGGGGTCTTGTCTATGTTGCCAGGCT 1260
Db 1201 CCGGCTAATTTAGATAAAAAAATATGTAGCAATGGGGGTCTTGTCTATGTTGCCAGGCT 1260
Qy 1261 GGTCTCAAACTTCTGGCTTCATGCAATCCTTCCAAATGAGGCCACAACCAGCCAGTCA 1320
Db 1261 GGTCTCAAACTTCTGGCTTCATGCAATCCTTCCAAATGAGGCCACAACCAGCCAGTCA 1320

APPLICANT: Wands, Jack R
APPLICANT: de la Monte, Suzanne M
TITLE OF INVENTION: Inhibition of Neurodegeneration
FILE REFERENCE: 21486-047
CURRENT APPLICATION NUMBER: US/10/910.173
CURRENT FILING DATE: 2004-08-02
PRIOR APPLICATION NUMBER: US/09/872,968
PRIOR FILING DATE: 2001-06-01
NUMBER OF SEQ ID NOS: 2
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 1442
TYPE: DNA
ORGANISM: Homo sapiens
US-10-910-173-1

Query Match 100.08; Score 1442; DB 9; Length 1442;
Best Local Similarity 100.04; Pred. No. 0;
Matches 1442; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTTCTTTTGTGAGATGGAGTTTTCGCTCTTTGTTGCCAGGCTGGAGTGCATATGGCGCAA 60
Db 1 TTTTCTTTTGTGAGATGGAGTTTTCGCTCTTTGTTGCCAGGCTGGAGTGCATATGGCGCAA 60

Qy 61 TCTCAGCTCACCGCAACCTCCGCTCCCGGTTTCAAGCGATCTCTGCTCAGCTCC 120
Db 61 TCTCAGCTCACCGCAACCTCCGCTCCCGGTTTCAAGCGATCTCTGCTCAGCTCC 120

Qy 121 CAGTAGCTGGGATACAGGATGTGACCCAGCTCGGCTAAATTTGTTATTTTATTTAG 180
Db 121 CAGTAGCTGGGATACAGGATGTGACCCAGCTCGGCTAAATTTGTTATTTTATTTAG 180

Qy 181 TAGAGATGGAGTTTCTCCATGTTGCTCAGGCTGTCTCGAACTCCCGACCTCAGATGATC 240
Db 181 TAGAGATGGAGTTTCTCCATGTTGCTCAGGCTGTCTCGAACTCCCGACCTCAGATGATC 240

Qy 241 CCTCGCTCTGGGCTCCCAAGTGTAGATACAGGATGTGGCAACATGCCCGGCTCTGCC 300
Db 241 CCTCGCTCTGGGCTCCCAAGTGTAGATACAGGATGTGGCAACATGCCCGGCTCTGCC 300

Qy 301 TGGCTAAATTTTGTGTAGAACAGGTTTCACTGATGTGCCAGCTGGTCTCTGAGC 360
Db 301 TGGCTAAATTTTGTGTAGAACAGGTTTCACTGATGTGCCAGCTGGTCTCTGAGC 360

Qy 361 TCAAGCAGTCCACCTGCTCAGCTCCCAAGTGTGGGATTTACAGGCGTGCAGCGTGC 420
Db 361 TCAAGCAGTCCACCTGCTCAGCTCCCAAGTGTGGGATTTACAGGCGTGCAGCGTGC 420

Qy 421 CTGGCTTTTATTTTATTTTATTTTAAAGACACAGTGTCCCACTCTTACCCAGGATGAAG 480
Db 421 CTGGCTTTTATTTTATTTTATTTTAAAGACACAGTGTCCCACTCTTACCCAGGATGAAG 480

Qy 481 TGCAGTGGTGTATCACAGCTCACTGCAGCTTCACTCTGAGATCAAGATCTCTCTG 540
Db 481 TGCAGTGGTGTATCACAGCTCACTGCAGCTTCACTCTGAGATCAAGATCTCTCTG 540

Qy 541 CCTCAGCTCCCAAGTAGCTGGGACCAAGACATGCACCTACACCTACCTGGCTAAATTTTA 600
Db 541 CCTCAGCTCCCAAGTAGCTGGGACCAAGACATGCACCTACACCTACCTGGCTAAATTTTA 600

Qy 601 TTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 660
Db 601 TTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 660

Qy 661 GGGCGAATCTTGCTCAGTGCAGCTCTGCTCCCGGTTCAAGTTATTTCTCTGCCCA 720
Db 661 GGGCGAATCTTGCTCAGTGCAGCTCTGCTCCCGGTTCAAGTTATTTCTCTGCCCA 720

Qy 721 GCCTCTGAGTAGCTGGGACTACAGGCGCCACACGCTAGCTAAATTTTGTATTTT 780
Db 721 GCCTCTGAGTAGCTGGGACTACAGGCGCCACACGCTAGCTAAATTTTGTATTTT 780

Qy 781 TAGTAGAGATGGGGTTCAACATGTTCCGCGAGGTTGATCTTGTATCTCTGACCTTGTGATC 840

Db 781 TAGTAGAGATGGGGTTCAACATGTTCCAGAGTTGATCTTGTATCTCTGAGACCTTGTGATC 840

Qy 841 TGCCTGCTCGGCTCCCAAGTGTGGGATTAACAGCGTGAAGCCACGCGCGGCTTA 900

Db 841 TGCCTGCTCGGCTCCCAAGTGTGGGATTAACAGCGTGAAGCCACGCGCGGCTTA 900

Qy 901 TTTTAAATTTTGTGTTTGAATGGAATCTCACTCTGTTTACCCAGGCTGGAGTGAAT 960

Db 901 TTTTAAATTTTGTGTTTGAATGGAATCTCACTCTGTTTACCCAGGCTGGAGTGAAT 960

Qy 961 GGGCAAAATCTCGCTCACTGCAACCTCTGCTCCCGGCTCAAGCGATTTCTCTGTCTCA 1020

Db 961 GGGCAAAATCTCGCTCACTGCAACCTCTGCTCCCGGCTCAAGCGATTTCTCTGTCTCA 1020

Qy 1021 GCCTCCCAAGCAGCTGGGATTAACGGGCACTGCGCACACACCCGCTAAATTTTGTATTT 1080

Db 1021 GCCTCCCAAGCAGCTGGGATTAACGGGCACTGCGCACACACCCGCTAAATTTTGTATTT 1080

Qy 1081 TCATTAGAGCGGGGTTTACCATATTTTGTGAGCTGGTCTCAAACTCTCGACCTCAGGT 1140

Db 1081 TCATTAGAGCGGGGTTTACCATATTTTGTGAGCTGGTCTCAAACTCTCGACCTCAGGT 1140

Qy 1141 GACCCACTCTGCTCAGCTTCCAAAGTGTGGGATTAACAGCGTGAAGCCACCTCAGCCAG 1200

Db 1141 GACCCACTCTGCTCAGCTTCCAAAGTGTGGGATTAACAGCGTGAAGCCACCTCAGCCAG 1200

Qy 1201 CCGCTAAATTTAGATAAAAAATATAGCAATGGGGGCTTGTCTATGTTGCCAGGCT 1260

Db 1201 CCGCTAAATTTAGATAAAAAATATAGCAATGGGGGCTTGTCTATGTTGCCAGGCT 1260

Qy 1261 GGTCTCAAACTTCTGGCTTCATGCAATCTTCCAAATGAGCCACACCCAGCCAGTCA 1320

Db 1261 GGTCTCAAACTTCTGGCTTCATGCAATCTTCCAAATGAGCCACACCCAGCCAGTCA 1320

Qy 1321 CATTTTAAACAGTACATCTTTATTTTAGTATATCTAGAAAGTAAATCAATAAATGAT 1380

Db 1321 CATTTTAAACAGTACATCTTTATTTAGTATATCTAGAAAGTAAATCAATAAATGAT 1380

Qy 1381 CAAACCTGCAAAATTCAGTAGTAACAGAGTCTTTTAACTTTTAAACAAAGCTTTAGAG 1440

Db 1381 CAAACCTGCAAAATTCAGTAGTAACAGAGTCTTTTAACTTTTAAACAAAGCTTTAGAG 1440

Qy 1441 CA 1442

Db 1441 CA 1442

RESULT 13
US-09-964-666-4
Sequence 4, Application US/09964666
Patent No. US20020104108A1
GENERAL INFORMATION:
APPLICANT: de la Monte, Suzanne
Wands, Jack R.
TITLE OF INVENTION: Transgenic Animals and Cell Lines for
Screening Drugs Effective for the Treatment or Prevention
of Alzheimer's Disease
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Kessler, Goldstein & Fox, P.L.L.C.
STREET: 1100 New York Ave., Suite 600
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005-3934
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/964,666

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; FILING DATE: 28-Sep-2001
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Esmond, Robert W.
; REGISTRATION NUMBER: 32,893
; REFERENCE/DOCKET NUMBER: 0609.4370000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1418 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: both
; MOLECULE TYPE: cDNA
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-964-666-4

Query Match      84.8%; Score 1223.4; DB 3; Length 1418;
Best Local Similarity 96.9%; Pred. No. 0;
Matches 1375; Conservative 0; Mismatches 31; Indels 13; Gaps 13;

QY      2 TTTT TTTT TTTT CAGATGGAGTTTTCGCTCTTCTGTCGCCAGGCTGAGTGCATGCGCAAT 61
Db      1 TTTT TTTT TTTT CAGATGGAGTTTTCGCTCTTCTGTCGCCAGGCTGAGTGCATGCGCAAT 60

QY      62 CTCAGCTCACCGCAACCTCCGCCCTCCCGGTTCAAGCGATTCTCTGCCTCAGCCTCCCC 121
Db      61 CTCAGCTCACCGCAACCTCCGCCCTCCCGGTTCAAGCGATTCTCTGCCTCAGCCTCCCC 120

QY      122 AGTA-GCTGGGATTACAGGCATGTGCACCCACGCTCGGCTAAATTTGTATTTTTTTTAG 180
Db      121 AGTAGGCTGGGATTACAGGCATGTGCA-CCACGCTCGGCTAAATTTGTATTTTTTTTAG 179

QY      181 TAGAGATGGAGTTTCTCCATGTTGGTCAGGCTGCTCGAACTCCGACCTCAGATGATC 240
Db      180 TAGAGATGGAGTTTCTCCATGTTGGTCAGGCTGCTCGAACT-CCGACCTCAGATGATC 238

QY      241 CCTCCGCTCTCCGCCCTCCCAAAGTGTAGATACAGGACTGGGCCACCATGCCCCG-CTCTGC 299
Db      239 CTCGGCTCTCCGCCCTCCCAAAGTGTAGATACAGGACTGAGCAACATGCCGGCTCTCTGC 298

QY      300 CTGCTCAATTTTGTGTGAGAAACAGGGTTTCACTGATGTGCCAAGCTGGTCTCTCTGAG 359
Db      299 CTGCTCAATTTTGTGTGAGAAACAGGGTTTCACTGATGTGCCAAGCTGGTCTCTCTGAG 358

QY      360 CTCAGCAGTCCACTGGCTCAGCCTCCCAAAGTGTCTGGGATTACAGCGCTGACGCCGTG 419
Db      359 CTCAGCAGTCCACTGGCTCAGCCTCCCAAAGTGTCTGGGATTACAGCGCTGACGCCGTG 418

QY      420 CTGGCCCTTTTATTTTATTTTTTTTAAAGACACAGGTGTCCCACTCTTACCCAGGATGAA 479
Db      419 CTGGCCCTTTTATTTTATTTTTTTTAAAGACACAGGTGTCCCACTCTTACCCAGGATGAA 478

QY      480 GTGCAGTGGTGTGATCACAGCTCACTGCAGCCTTCAAACCTCTGAGATCAAGCATCTCTCT 539
Db      479 GTGCAGTGGTGTGATCACAGCTCACTGCAGCCTTCAAACCTCTGAGATCAAGCATCTCTCT 537

QY      540 GCCTCAGCTCCC-AAGTAGCTGGGACCAAGACATGCACATCACTTACCTGGCTAAATTTT 598
Db      538 GCCTCAGCTCCC-AAAGTAGCTGGGACCAAGACATGCACATCTACACCTGGCTAAATTTT 597

QY      599 TATTTTATTTTATTTTATTTTATTTTATTTTAAAGACAGAGTCTCAACTCTGTCAACCGCTGGAGTGA 658
Db      598 TATTTTATTTTATTTTATTTTATTTTATTTTAAAGACAGAGTCTCAACTCTGTCAACCGCTGGAGTGA 657

QY      659 GTGCGCAATCTTGGCTCACTGCAACCTCTGCCTCCCGGGTTCAAAGTTATTTCTCTGCCCC 718
Db      658 GTGCGCAATCTTGGCTCACTGCAACCTCTGCCTCCCGGGTTCAAGTTATTTCTCTGCCCC 717

QY      719 CAGCTCTCAGTAGCTGGGACTACAGGCGCCACACAGCTTACTTAATTTTTTTTGTATT 778

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; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Esmond, Robert W.
; REGISTRATION NUMBER: 32,893
; REFERENCE/DOCKET NUMBER: 0609.4370000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1418 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: both
; MOLECULE TYPE: cDNA
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-964-412-4

Query Match      84.8%; Score 1223.4; DB 3; Length 1418;
Best Local Similarity 96.9%; Pred. No. 0;
Matches 1375; Conservative 0; Mismatches 31; Indels 13; Gaps 12;

QY      2 TTTTCTTTTTCAGATGGAGTTTTCGCTCTGTTGCTCCAGGCTGGAGTGCATGGCGCAAT 61
DB      1 TTTTCTTTTTCAGATGGAGTTTTCGCTCTGTTGCTCCAGGCTGGAGTGCATGGCGCAAT 60

QY      62 CTCAGCTCACCGCAACCTCCGCTCCGCGGTTCAAGCGAATTCCTGCTCAGGCTCCCC 121
DB      61 CTCAGCTCACCGCAACCTCCGCTCCGCGGTTCAAGCGAATTCCTGCTCAGGCTCCCC 120

QY      122 AGTA-GCTGGGATACAGGCAATGTCACCCAGGCTCGGCTAATTTGTAATTTTTTAG 180
DB      121 AGTAGGCTGGGATACAGGCAATGTCACCCAGGCTCGGCTAATTTGTAATTTTTTAG 179

QY      181 TAGAGATGAGTTTCTCCATGTTGCTCAGGCTGGTCTCGAACTCCCGACCTCAGATGATC 240
DB      180 TAGAGATGAGTTTCTCCATGTTGCTCAGGCTGGTCTCGAACTCCCGACCTCAGATGATC 238

QY      241 CTTCCGCTCTCGGCTCCCAAGTGTAGATACAGGACTGGCCACCATGCCCG-CTTCGC 299
DB      239 CTTCCGCTCTCGGCTCCCAAGTGTAGATACAGGACTGGCCACCATGCCCGCTTCGC 298

QY      300 CTGGCTAATTTTGTGGTAGAAGCAGGTTTTCAGTGTGTCGCGGAGTGTCTCTGAG 359
DB      299 CTGGCTAATTTTGTGGTAGAAGCAGGTTTTCAGTGTGTCGCGGAGTGTCTCTGAG 358

QY      360 CTCAGCAGTCCACCTGCTCAGCTCCCAAGTGTGGGATACAGGCTGCAGCGCTG 419
DB      359 CTCAGCAGTCCACCTGCTCAGCTCCCAAGTGTGGGATACAGGCTGCAGCGCTG 418

QY      420 CTTGGCTTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 479
DB      419 CTTGGCTTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 478

QY      480 GTGCAGTGTGTGATACAGCTCAGCTCAGGCTTCACTCTGAGATCAAGCATCTCTCT 539
DB      479 GTGCAGTGTGTGATACAGCTCAGCTCAGGCTTCACTCTGAGATCAAGCATCTCTCT 537

QY      540 GCTCAGCTCC-AGTAGCTGGGACCAAGACATGACCACTACACTCAGCTGGCTAATTT 598
DB      538 GCTCAGCTCCCAAGTAGCTGGGACCAAGACATGACCACTACACTCAGCTGGCTAATTT 597

QY      599 TATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTT 658
DB      598 TATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTT 657

QY      659 GTGGGCAATCTGGCTCAGTCAACCTCTGCTCCCGGTTCAAGTATTTCTCTGCC 718
DB      658 GTGGGCAATCTGGCTCAGTCAACCTCTGCTCCCGGTTCAAGTATTTCTCTGCC 717

QY      719 CAGCTCTCCTAGTAGCTGGGACTACAGGCGCCACCAAGCTAGCTAATTTTTTTGTA 778
DB      718 CAGCTCTCCTAGTAGCTGGGACTACAGGCGCCACCAAGCTAGCTAATTTTTTTGTA 777

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QY      779 TTTAGTAGATGGG-TTCACCATGTTCCAGAGTTGAT-CTTGATCTCTGACCTTGT 836
DB      778 TTTAGTAGATGGGTTTCACCATGTTCCAGAGTTGATGCTAGATCTCTTGACCTTGT 837

QY      837 GATCTGCTGCTCGGCTCCCAAGTGTGGGATACAGG-CGTGAGCACCACCGCCG 895
DB      838 GATCTGCTGCTCGGCTCCCAAGTGTGGGATACAGGACGTGACGCCACCGCCG 897

QY      896 GCTTATTTTAAATTTTGTGTTTGAATGGAATCTCACTCTGTTTACCAAGGCTGAGT 955
DB      898 GCCTAATTTTAAATTTTGTGTTTGAATGGAATCTCACTCTGTTTACCAAGGCTGAGT 957

QY      956 GCAATGSCCAATCTCGGCTCAGTCAACCTCTGCTCCCGGCTCAAGGATTTCTCTG 1015
DB      958 GCAATGSCCAATCTCGGCTCAGTCAACCTCTGCTCCCGGCTCAAGGATTTCTCTG 1017

QY      1016 TCTCAGCTCCCAAGCAGCTGGGATTAACGGGCACTGCCACACACACCCCGCTAATTTTG 1075
DB      1018 TCTCAGCTCCCAAGCAGCTGGGATTAACGGGCACTG-CACCACACCCCGCTAATTTTG 1076

QY      1076 TATTTTCATTAGAGCGGGGTTTCAACATATTTGTAGGCTGGTCTCAAACTCTGACCT 1135
DB      1077 TATTTTCATTAGAGCGGGGTTTCAACATATTTGTAGGCTGGTCTCAAACTCTGACCT 1136

QY      1136 CAGGTGACCCACCTGCTCAGCTTCCAAAGTGTGGGATTAACAGGCTGAGCCACCTCA 1195
DB      1137 CAGGTGACCCACCTGCTCAGCTTCCAAAGTGTGGGATTAACAGGCTGAG--GGCTCA 1194

QY      1196 CCACAGCGGCTAATTTAGATAAAAAATATGTAGCAATGGGGGCTTTGTGTTATGTC 1255
DB      1195 CCACAGCGGCTAATTTAGATAAAAAATATGTAGCAATGGGGGCTTTGTGTTATGTC 1254

QY      1256 AGGTGCTCTCAAACTTCTGCTTCATGCAATCTTCCAAATGAGCCACACCCAGCC 1315
DB      1255 AGGTGCTCTCAAACTTCTGCTTCATGCAATCTTCCAAATGAGCCACACCCAGCC 1314

QY      1316 AGTCACATTTTAAACAGTACATCTTATTTTAGTATATACTAGAAAGTATAAATAA 1375
DB      1315 AGTCACA-TTTTAAACAGTACATCTTATTTTAGTATATACTAGAAAGTATAAATAA 1373

QY      1376 CATGCAAACTGCAAAATTCAGTAGTAACAGAGTTCTTT 1414
DB      1374 ATGGCGNACTGCAAAATTCAGTAGTAGTACAGAGTTCTTT 1412

RESULT 15
US-09-964-667-4
; Sequence 4, Application US/09964667
; Publication No. US20030033621A1
; GENERAL INFORMATION:
; APPLICANT: de la Monte, Suzanne
; Wanda, Jack R.
; TITLE OF INVENTION: Transgenic Animals and Cell Lines for
; Screening Drugs Effective for the Treatment or Prevention
; of Alzheimer's Disease
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox, P.L.L.C.
; STREET: 1100 New York Ave., Suite 600
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.30
; CURRENT APPLICATION NUMBER: US/09/964,667
; FILING DATE: 28-Sep-2001
; CLASSIFICATION: <Unknown>

```


ATTORNEY/AGENT INFORMATION:									
;	NAME:	Esmond, Robert W.							
;	REGISTRATION NUMBER:	32,893							
;	REFERENCE/DOCKET NUMBER:	0609.4370000							
;	TELECOMMUNICATION INFORMATION:								
;	TELEPHONE:	202-371-2600							
;	TELEFAX:	202-371-2540							
;	INFORMATION FOR SEQ ID NO: 4:								
;	SEQUENCE CHARACTERISTICS:								
;	LENGTH:	1418 base pairs							
;	TYPE:	nucleic acid							
;	STRANDEDNESS:	both							
;	TOPOLOGY:	both							
;	MOLECULE TYPE:	cdna							
;	SEQUENCE DESCRIPTION: SEQ ID NO: 4:								
US-09-964-667-4									
Query Match 84.8%; Score 1223.4; DB 3; Length 1418;									
Best Local Similarity 96.9%; Pred. No. 0;									
Matches 1375; Conservative 0; Mismatches 31; Indels 13; Gaps 12									
Qy	2	TTTTTTTTTTCAGATGGAGTTTTTCGCTCTTTGTGCCAGGCTGGAGTCAATATGGCGCAAT	61						
Db	1	TTTTTTTTTTCAGATGGAGTTTTTCGCTCTTTGTGCCAGGCTGGAGTCAATATGGCGCAAT	60						
Qy	62	CTCAGCTCACGCGAACCTCCGCTCCCGGTTCAAGCGATTCTCTGCTCAGCTCCCC	121						
Db	61	CTCAGCTCACGCGAACCTCCGCTCCCGGTTCAAGCGATTCTCTGCTCAGCTCCCC	120						
Qy	122	AGTA-GCTGGGATTACAGGCATGTGCACCCAGCTCGCTCAATTTTGTATTTTTTTTAG	180						
Db	121	AGTAGGCTGGGATTACAGGCATGTGCA-CCAGCTCGGCTAAATTTTGTATTTTTTTTAG	179						
Qy	181	TAGAGATGGAGTTTCTCCATGTTGGTCAAGCTGGTCTCGAACTCCCGACCTCAGATGATC	240						
Db	180	TAGAGATGGAGTTTCTCCATGTTGGTCAAGCTGGTCTCGAACT-CCGACCTCAGATGATC	238						
Qy	241	CCTCGTCTCGGCTCCCAAAGTGTAGATACAGACTGCGGCACATGCCCGG-CTCTGC	299						
Db	239	CTCCCGTCTCGGCTCCCAAAGTGTAGATACAGACTGAGACCATGCCCGGCTCTCTGC	298						
Qy	300	CTGGCTAAATTTTGTGGTAGAAAAGGGTTTCACTGATGTGCCCAAAGCTGGTCTCTCGAG	359						
Db	299	CTGGCTAAATTTTGTGGTAGAAAAGGGTTTCACTGATGTGCCCAAAGCTGGTCTCTCGAG	358						
Qy	360	CTCAAGCAGTCCACTGCTCAGCTCCCAAAGTGTGGGATTACAGCGTGCAGCCGTG	419						
Db	359	CTCAAGCAGTCCACTGCTCAGCTCCCAAAGTGTGGGATTACAGCGTGCAGCCGTG	418						
Qy	420	CCTGGCTTTTATTTTATTTTATTTTAAAGACACAGGTGTCCCACTCTTACCAGATGAA	479						
Db	419	CCTGGCTTTTATTTTATTTTATTTTAAAGACACAGGTGTCCCACTCTTACCAGATGAA	478						
Qy	480	GTGCAGTGGTGTGATCAAGCTCACTGCAGCGTTTCAACTCTCTGAGATCAAGCATCTCTCT	539						
Db	479	GTGCAGTGGTGTGATCAAGCTCACTGCAGCGTTTCAACT-CTGAGATCAAGCATCTCTCT	537						
Qy	540	GCCTCAGGCTCCC-AAAGTAGTGGGACCAAGAATGCACCACTACACCTGGCTAAATTTT	598						
Db	538	GCCTCAGGCTCCCAAAGTAGTGGGACCAAGAATGCACCACTACACCTGGCTAAATTTT	597						
Qy	599	TATTTTATTTTAAATTTTATTTTATTTTAAAGACACAGGTCTCAACTCTGTACCCAGGCTGAGTGCA	658						
Db	598	TATTTTATTTTAAATTTTATTTTATTTTAAAGACACAGGTCTCAACTCTGTACCCAGGCTGAGTGCA	657						
Qy	659	GTGGCGCAATCTTGGCTCACTGCAACCTCTGCCTCCCGGGTTCAAGTTATTCTCTCGGCC	718						
Db	658	GTGGCGCAATCTTGGCTCACTGCAACCTCTGCCTCCCGGGTTCAAGTTATTCTCTCGGCC	717						
Qy	719	CAGCTCTCAGTAGTGTGGGACTACAGGCGCCCAACACGCTAGCTAAATTTTTTTGTATT	778						
Db	718	CAGCTCTCAGTAGTGTGGGACTACAGGCGCCCAACACGCTAGCTAAATTTTTTTGTATT	777						

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GenCore version 5.1.7
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OM nucleic - nucleic search, using sw model

Run on: March 23, 2006, 21:30:58 ; Search time 529.5 Seconds
(without alignments)
6349.990 Million cell updates/sec

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Perfect score: 1442
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Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 8023312 seqs, 1165852854 residues

Total number of hits satisfying chosen parameters: 16046624

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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12: /cgn2_6/prodata/1/pubpna/US11_NEW_PUB.seq.*
13: /cgn2_6/prodata/1/pubpna/US60_NEW_PUB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	535.2	37.1	79528	8	US-10-276-233A-6
C 2	521	36.1	168556	12	US-11-112-908-59
C 3	521	36.1	170285	12	US-11-112-908-58
C 4	511.4	35.5	60729	7	US-10-330-773-841
C 5	501.6	34.8	199321	12	US-11-121-086-10
C 6	486.8	33.8	191684	12	US-11-121-086-2
C 7	480.6	33.3	178024	7	US-10-330-773-698
C 8	477.6	33.1	79544	7	US-10-330-773-741
C 9	477.6	33.1	171732	12	US-11-121-086-98
C 10	474.8	32.9	180654	12	US-11-121-086-58
C 11	473	32.8	155515	12	US-11-112-908-42
C 12	473	32.8	159660	12	US-11-112-908-35
C 13	473	32.8	177623	12	US-11-112-908-41
C 14	472.6	32.8	157224	12	US-11-112-908-51
C 15	472.6	32.8	170189	12	US-11-112-908-58
C 16	471.4	32.7	127340	12	US-11-112-908-35
C 17	469.6	32.6	172111	12	US-11-121-086-28
C 18	469.4	32.6	160226	12	US-11-121-086-29
C 19	468	32.5	153142	12	US-11-121-086-27
C 20	466.2	32.3	98862	12	US-11-121-086-76

C 21	463.4	32.1	318488	9	US-11-114-798-58
C 22	461.8	32.0	121736	9	US-11-114-798-49
C 23	461.2	32.0	179892	12	US-11-112-908-39
C 24	459.6	31.9	92199	9	US-11-114-798-50
C 25	458.4	31.8	1163	6	US-09-925-065A-35513
C 26	458.4	31.8	14271	8	US-10-995-561-13370
C 27	458.4	31.8	40000	8	US-10-995-561-13370
C 28	458.4	31.7	415117	8	US-10-995-561-13274
C 29	456.2	31.6	3766	12	US-11-124-367A-38
C 30	455.2	31.6	120096	12	US-11-121-086-24
C 31	451.8	31.3	79528	8	US-10-276-233A-6
C 32	449.6	31.2	150481	12	US-11-112-908-37
C 33	449.6	31.2	179892	12	US-11-112-908-39
C 34	449	31.1	150038	12	US-11-121-086-23
C 35	446.8	31.0	190882	12	US-11-121-086-69
C 36	446	30.9	103660	8	US-10-995-561-13253
C 37	444.6	30.8	159497	12	US-11-112-908-61
C 38	444.6	30.8	171427	12	US-11-112-908-60
C 39	442	30.7	126552	12	US-11-121-086-1
C 40	439.2	30.5	167891	12	US-11-121-086-14
C 41	439	30.4	26727	12	US-11-124-368A-2923
C 42	438	30.4	75007	8	US-10-995-561-13194
C 43	437.2	30.3	1620	6	US-09-925-065A-67041
C 44	436.8	30.3	1620	6	US-09-925-065A-67042
C 45	431.8	29.9	220895	8	US-10-775-169-88

ALIGNMENTS

RESULT 1
US-10-276-233A-6/c
; Sequence 6, Application US/10276233A
; Publication No. US20050260572A1
; GENERAL INFORMATION:
; APPLICANT: DNA Chip Research Inc.
; TITLE OF INVENTION: A method of predicting cancer condition
; FILE REFERENCE: PH-1533-PCT
; CURRENT APPLICATION NUMBER: US/10/276,233A
; CURRENT FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: JP 2001-73063
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: JP 2001-108503
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: JP 2001-234807
; PRIOR FILING DATE: 2001-08-02
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: Patent in Ver. 3.2
; SEQ ID NO 6
; LENGTH: 79528
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-276-233A-6
Query Match 37.1%; Score 535.2; DB 8; Length 79528;
Best Local Similarity 71.7%; Pred. No. 0.056;
Matches 911; Conservative 0; Mismatches 283; Indels 76; Gaps 13;
QY 1 TTTTCTTTTGGATGGAGTTTTCGCTCTCTGTTGTCGCCAGGCTGAGTGCATATGCGCAA 60
DB 49407 TGTGTGTTGTGTGAGACAGAGTCTCACTCTGTTGCCGAGCTGAGTGCACAG 49348
QY 61 TCTCAGCTCACCGCAACCTCCGCTCCCGGTTTCAAGGATTTCTCTCGCTCAGCTCCC 120
DB 49347 TCTTGGCTCCTGCAACCTCTGCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 49288
QY 121 CAGTAGCTGGGATTTACAGGCTATGTCACCCAGCTCGGCTAATTTTGTATTTTTTTAG 180
DB 49287 AAGTAGCTGGGATTTGAGCGTGCACCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 49231
QY 181 TAGAGTAGGAGTTTCTCCATGTTGGTTCAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 240

Db 49230 TATAGACAAGGTTTCCACATGTTGCCAGGGTGGTTTCAAACTCCAGAGCACAGGCAATC 49171

Qy 241 CCTCGGTCTCGGCTCCCAAAGTCTAGATACAGGACTGGCCACATGCCCCGGCTCTGCC 300

Db 49170 TGGCCACCTCAGCTTTCACAGGTTCTGGATTACAGGCGTGAGTCA--CCACGATGGCT 49113

Qy 301 TGGCTAATTTTGGTAGAACAGGTTTCACTGATGTGCCAAGCTGGT-----CTC 354

Db 49112 AGTTTGTATTTTAGTAGAGATGGGTTTCAGCATGTGGCCAGGCTGGTCTTGAATCT 49053

Qy 355 CTGAGCTCAAGCAGTCCACCTCGCTCAGCTCCCAAAGTGTGGGATTACAGGCGTGCAG 414

Db 49052 CTGGCTCAAGTATCAGCTCGCTTGGCTCCCAAAGTACCGGATTATAGGATGAGC 48993

Qy 415 CCGTGCCTG-----GCCTTTTATTTATTTTATTTTAAACACAGGTGCCACT 464

Db 48992 CACTGGGCCACCATGCTGGCTTTTATTTTATTTTATTTTCTTGAGACAGTCTCACTTT 48933

Qy 465 CTTACCCAGGATGAAGTGCAGTGGTGTGATCACAGCTCACTGCAGCCCTTCAATCCTGAG 524

Db 48932 GTTGGCCAGGCTGGAAATGAGTGGCGTGATCTCATCTCACTGTAGCTCCGCCCTTCGGGC 48873

Qy 525 ATCAA-GCATCTCTCGCTCAGCTCCCAAGTAGCTGGGACCAAGACATGCACCACTA 583

Db 48872 TTCAACCATTTCTCTACTCTGGCTCTTAAGTAGTGTGTACAGTGCACACCA 48813

Qy 584 CACTGGCTA-----ATTTTATTTTATTTTATTTTAAATTTTGTAG 622

Db 48812 CACCAGCTAGATGGCTGGTTTTTTTGTGGTTTTTGTGTGTGTGTGTGTGTGTGTGTGT 48753

Qy 623 ACAGAGTCTCAACTGTGCACCGAGCTGGAGTGCAGTGGCGCAATCTTGCTCACTGCA 682

Db 48752 ACAGGCTCTC-ACTGTGCACCGAGCTGGAGTGCAGTGGCGCAATTTTGGCTACTGCA 48694

Qy 683 ACCTCTGCTCCCGGTTCAAGTATTTCTCTGCCAGCTCCTGAGTAGCTGGACTA 742

Db 48693 ACCTCATGTCTGGTTCAAGTATTTCTCTACTCTGAGCTCCAGAGTAGCTGGATTA 48634

Qy 743 CAGGC--GCCACACCGCTAGCTAATTTTGTATTTTGTATTTTGTATAGATGGG-TTCAC 799

Db 48633 CAGGCATGTGCACACACACCGGCTAATTTTGTATTTTGTATTTTGTATAGATGGGTTTCA 48574

Qy 800 CATGTTGCCAGGTTGATCTCTGGACCT--TGATCTGCTGCTGCTGCTGCTGCTGCTGCT 857

Db 48573 CATGTTGCTCAGGCTGGTTTTGAACTCTGCTGCTCAAGTATTCACCTGCTGCTGCTGCT 48514

Qy 858 CAAAGTGTGGATTACAGGCGTGAGCCACACCGCGCTTATTTTAAATTTTGTGTTG 917

Db 48513 CAAAGTGTGGATTACAGAGCTGAGCCATCATGCCAGCCAAATGGCTGTGTTTTTTT 48454

Qy 918 -----TTTGAATGGAAATCTCATCTGTATACCGAGGCTGGAG 954

Db 48453 TGTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 48394

Qy 955 TGCATGCCCAATCTCGCTCAGTCACTGCACTCTGCTCCGCGGCTCAAGGATTTCTCT 1014

Db 48393 TGCAGTGGCGCATCTCTGCTCAGTCAAGCTCCACCTCCAGGTTTCAAGCAATTCACCC 48334

Qy 1015 GTCTCAGCTCCCAAGCAGCTGGGATTACGGGCACTGCGCACCTGCCACACACCGCGTAA--TTT 1072

Db 48333 GCCTCAGCTCCCGAGTAGCTGGGACTACAGGCACTGCCACACACCGCGGCTAATTTT 48274

Qy 1073 TTGTATTTTATAGAGCGGGTTTCAACATATTTGTGAGGCTGGTCTCAAACTCTGGA 1132

Db 48273 TTGTATTTTATAGAGATGGGTTTCAACATGTTAGCAGGATGCTCTCGATCTCTGA 48214

Qy 1133 CCTCAGGTGACCACTGCTCAGCTTCCAAAGTGTGGGATTACAGCGTGGCCACC 1192

Db 48213 CCT--TGATGCTGCTGCTTGGGCTCCAGAGTGTGGGATTATAGGCAATGAGCCACC 48156

Qy 1193 TCACCCAGCC 1202

Db 48155 GCACCCAGCC 48146

RESULT 2

US-11-112-908-59/c

; Sequence 59, Application US/11112908

; Publication No. US20050260659A1

; GENERAL INFORMATION:

; APPLICANT: Harris, Cole

; TITLE OF INVENTION: Breast Cancer Biomarkers

; FILE REFERENCE: 04-164-US

; CURRENT APPLICATION NUMBER: US/11/112,908

; CURRENT FILING DATE: 2005-04-22

; PRIOR APPLICATION NUMBER: US 60/564,758

; PRIOR FILING DATE: 2004-04-23

; PRIOR APPLICATION NUMBER: US 60/575,978

; PRIOR FILING DATE: 2004-06-01

; PRIOR APPLICATION NUMBER: US 60/631,702

; PRIOR FILING DATE: 2004-11-30

; PRIOR APPLICATION NUMBER: US 60/633,826

; PRIOR FILING DATE: 2004-12-07

; NUMBER OF SEQ ID NOS: 511

; SOFTWARE: PatentIn version 3.3

; SEQ ID NO 59

; LENGTH: 168656

; TYPE: DNA

; ORGANISM: Homo sapiens

US-11-112-908-59

Query Match 36.1%; Score 521; DB 12; Length 168656;

Best Local Similarity 71.1%; Pred. No. 0.044;

Matches 881; Conservative 0; Mismatches 295; Indels 63; Gaps 12;

Qy 1 TTTTATTTTGTAGATGGATTTTCGCTCTTTGTTGGCCAGGCTGAGTGCATGGCGCA 60

Db 133236 TTTTATTTTGTAGACAGAG-TTTCACTCTTTGTTGGCCAGGCTAGAGTGCATGGCGCA 133178

Qy 61 TCTCAGCTCACCGCAACTCCGCTCCGGGTTCAAGGATTCTCTGCTCAGCTCC 120

Db 133177 TCTCGGCTCACCGCAACTCCACCTCTCGGGTTCAAACTATTTGCTGCCCTCAGCTCC 133118

Qy 121 CAGTAGCTGGATTACAGGCAATGTGCACCCACGCTCGGCTAATTTTGTATTTTGTAG 180

Db 133117 TAGTAGCTGGATTACAGGCAATGTGCACCCATGTCAGCTAATTTGTGTA----TTTTTGTAG 133062

Qy 181 TAGAGATGGAGTTTCTCCATGTTGGTCAAGGCTGTCTCGAACTCCCGACCTCAGATGATC 240

Db 133061 TAGAGACGGGTTTATCCATGTTGGTCAAGGCTGTCTTGAACCTCTGACCTCAGGTGATC 133002

Qy 241 CCTCGCTCGGCTCCCAAGTGTAGATACAGGCTGGCCACCATCCCGGCTCTGCC 300

Db 133001 CGCCAGCTTGGCTCTCCAAAGTGTGGAATTTAGAGGATGTGTACTGTGCCCCCAACCCC 132942

Qy 301 TGGCTAATTTTGTGTAGAAACAGGTTTTCACATGATGTGC----- 341

Db 132941 TTTTATTTTTCGAGACACATCTTGCCTGTGCGCCAGGCTGGAGAGCAGTGGCATGAT 132882

Qy 342 -----CCAAGCTGTCTCTGAGCTCAAGAGTCCACTGCTCAGCTCAGCTCCCA 389

Db 132881 TTTCACTCAGTCAAACTCCACCTCTGGGTTCAAGCAATTTCTCTGATCAGCTCTCTG 132822

Qy 390 AAGTGTGGGATTACAGCGGTGCAG--CCGTCCTGCGCTTTTATTTATTTTATTTTAA 447

Db 132821 AGTACCTGGAATTTACAGCGGTGCTCCACACACCTGGCTAATTTTGTATTTTGTAGTAG 132762

Qy 448 GACACAGGTGCCCACTCTTACCCAGGATGAAGTGCAGTGTGTGATCACAGCTCACTGTC 507

Db 132761 AGAGGGGTTTCACTATGTTGGCCAGGCTGGTCTGGA-ACTCCTGACCTTTGTGATCCACC 132703

Qy 508 AGCCTTCAACTCTGTAGATCAAGCATCCTCTGCTCCTCAGCTCCCAAGTGTGGGACCA 567

Db 132702 CTCCTCGGACTCCCAAGAGTGTGGGATTACAGGCGGTGAGCCACCGACCCCGCTGAGCCT 132643

Db 132244 CTTACCTCCAGGTTCAAGGATTTCTCTGCTCAGCCTCCGAGTAGTGGGACTACA 132185
 Qy 1045 GGCACCTGCCACCAACCCCGCTAATTTTGTATTTTCAATTTAGAGCGGGGTTTCAACAT 1104
 Db 132184 GCGCATGCCACCAACCTGGCTAATTTTGCATTTTCTTTAGAGACAGGTTTTCAC--T 132127
 Qy 1105 ATTCTGACGGTGGTCTCAAACTCTGACCTCAGCTGAGTACCCACCTGCTCAGCCTTCCAA 1164
 Db 132126 GTTAGCAGGCTGGTCTGAACTCTGACCTC--GTGATCTGCTTGCCTCAGCCTCCCA 132069
 Qy 1165 AGTGTGGGATTACAGGGGTGAGCCACCTCACCCAGCG 1203
 Db 132068 AGGCTGGGATTACAGGCATGAGTCACCATGCTGCTG 132030

RESULT 4

US-10-330-773-841/c

; Sequence 841, Application US/10330773

; Publication No. US20060040262A1

; GENERAL INFORMATION:

; APPLICANT: David W. Morris

; APPLICANT: Marc Malandro

; TITLE OF INVENTION: Novel

; FILE REFERENCE: 529452001300

; CURRENT APPLICATION NUMBER: US/10/330,773

; CURRENT FILING DATE: 2002-12-27

; NUMBER OF SEQ ID NOS: 981

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 841

; LENGTH: 60729

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: misc_feature

; LOCATION: (1)...(60729)

; OTHER INFORMATION: n = A,T,C or G

US-10-330-773-841

Query Match 35.5%; Score 511.4; DB 7; Length 60729;

Best Local Similarity 68.8%; Pred. No. 0.13;

Matches 910; Conservative 0; Mismatches 361; Indels 52; Gaps 13;

Qy 4 TTTTGTGAGATGGAGTTTTCGCTCTGTTGCCAGGCTGGAGTGCATATCT 63
 Db 37510 TTTTGTGAGATGAAGTCT--CTCTGTGTTACCCAGGCTGGAGTGCATATCT 37453
 Qy 64 CAGCTCACGCAACCTCCGCTCCCGGTTCAAGCGATTCTCTGCTCAGCCTCCCGAG 123
 Db 37452 CGGCTCACTGCAACCAACCACTCCCGGTTCAAGCGATTCTCTGCTCAGCCTCCCGAG 37393
 Qy 124 TAGCTGGGATTACAGCATGTGCACCGCTCGGCTAATTTTGTATTTTGTAGTAG 183
 Db 37392 CAGTTGGGACTACAGCACACGTCAACCATGCCCGGCTAATTTT--TGTATTTTGTAGTAG 37336
 Qy 184 AGATGGAGTTTCTCCATGTTGTGCTAGGCTGGTCTCGAAGTCCCGACCTCAGATGATCCCT 243
 Db 37335 AGACGGCGTTTCCACATGTTGCCAGGCTGGTGTGAACTCTGACCTC--ATGATCCAC 37278
 Qy 244 CGGCTCTCGGCTCCCAAGTGTGTAGATACA---GGACTGGCCACCATGCCCGGCTCTGCC 300
 Db 37277 CGGCTCAACCTCCCAAGTGTGGATTACAGGCATAGCCAGTGCACCTGCCCAAGC 37218
 Qy 301 TGGCTAATTTTGTGTAGAAACAGGTTTCTAGTATGGCCCAAGCTGCTCTCTGAGC 360
 Db 37217 TTAGTAATTTTCTATGCCAAATGTTTAGGTCTCTTGGCATGATCCACAGCTGACTTTTA 37158
 Qy 361 TCAAGCAGTCCACCTCGCTCAGCTCCCAAGTGTCTGGG--ATACAGGCTGTCAG 414
 Db 37157 GTGGGAGTAGGCTTGGGAATCTCTCCCTCTAGAGCAGTGTACTTAACCTTTTGTAG 37098
 Qy 415 CGGTGCTCGGCTTTTATTTTATTTTATTTTAAAGACACAGGTTGCCACTCTTACCCAGG 474
 Db 37097 CTTTGGACCCCTTATGTCTCTCTCTTTTATAGAGACAGGTTCTCACTTTGGGGCCAGG 37038

RESULT 5

US-11-121-086-10

; Sequence 10, Application US/11121086

; Publication No. US2005026459A1

; GENERAL INFORMATION:

; APPLICANT: POULSEN, TIM S.

; APPLICANT: NIELSEN, KIRSTEN V.

; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES

; FILE REFERENCE: 09138.6000-00000

; CURRENT APPLICATION NUMBER: US/11/121,086

; CURRENT FILING DATE: 2005-05-04

Qy 475 ATGAGTG---CAGTGGTGTGATCAAGCTCACTGCAGAGCTTCAACTCTCTGAGATCAAG 530
 Db 37037 TAGACAGGCAATAGTGGCAATCATAGCTCACTGCAGGCTCAACTCTCTGGGCTTAAG 36978
 Qy 531 C-ATPCTCTCCCTCAGCCTCCCAAGTAGTGGGACCAAGACATGACCACTACACCTG 589
 Db 36977 TGATCTCTCCCTCAGCCTCCTGAGTAGCTAATAACAAGGTATGACCCCCATGACTG 36918
 Qy 590 GCTAATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 649
 Db 36917 GC-----ATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 36869
 Qy 650 TGGAGTCAGTGGGCAATCTTGCTCACTGCAACCTCTGCCTCCCGGTTTCAAGTTTATT 709
 Db 36868 TGGAGTCAGTGGTGGCATCTTGCTCACTGCAAGTCCGCTCTCTGGTTTACGCCATT 36809
 Qy 710 CTCCTGCCAGCCTCTCTGAGTAGCTGGGACTACAGGCGCC---CACACGCTTAGCTAA 766
 Db 36808 CTCCTGCCCTCAGCCTCTCTGAGTAGCTGGGACTACAGAGGCCGTCACACGCTTGGCTAA 36749
 Qy 767 TTTTGTGATTTTATTTAGTAGAGTGGGTTTACCATGTTCCGAGGTTGATCTTGATCTC 826
 Db 36748 TTTTGTGATTTTATTTAGTAGAGCGGGTTTCACTGTGTAGCAGGATGGTCTTGATCTC 36689
 Qy 827 TGGACCTTGTGATCTGCTCGCTCGGCTCCCAAGTGTCTGGGATTACAGGCTGAGCA 886
 Db 36688 CTGACCTCGTGTATCCACTGCTCGGCTCCCAAGTGTCTGGGATTACAGAGTGAACA 36629
 Qy 887 CCAGCGCGGCTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 946
 Db 36628 CCAGCGCCAGCTT-----CTTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 36576
 Qy 947 GGTGAGTGCATATGGCCAAATCTCGGCTCACTGCAACCTCTGCTCCGCGCTCAAGCG 1006
 Db 36575 GGTGAGTGGAGTGGTGCATCTCAGCTCATCCCACTCCACTCTCTGAGCACAAGTG 36516
 Qy 1007 ATTCTCTGCTCAGCCTCCCAAGCAGCTGGGATTACGGGCACTGCGCACCAACACCCCGC 1066
 Db 36515 ATCTCTCAGCTCAGCCTCCCTGAGTAGCTGTGACTACAGGCACACCTTACACACCTGCG 36456
 Qy 1067 TAAATTTTG-----TATTTTCAATTAGAGCGGGTTTACCATATTTGTCAAGGCTGGTCT 1121
 Db 36455 TAAATTTTGATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 36396
 Qy 1122 CAAACTCTCAGCTCAGTGACCCACCTGCTCAGCCTTCCAAAGTGTCTGGGATTACAGG 1181
 Db 36395 TAAACACCTGGGCTCAAGTGTATCCAGCTGCTCATCTCTGTCAAAGTGTCTGGGATTACAGG 36336
 Qy 1182 CGTGACCCACCTCAGCAGCGGCTAATTTTAGATAAAAAAATATGTAGCAATGGGGGCTC 1241
 Db 36335 TATGAGCCACCAAGCTTAGCCTTATTTT-----TAAATTTTGTAGAGATGAGTCTC 36281
 Qy 1242 TTGCTATGTTGCCAGGCTGGTCTCAAACTTTCTGGCTTTCATGCAATCTTCCAAATGAGC 1301
 Db 36280 TCGATTTGTGCAAGGCTAGTCTTGAACCCCTGSCCTCAAGTGTCTCTCATACCTCAGC 36221
 Qy 1302 CAC 1304
 Db 36220 CTC 36218

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; PRIOR APPLICATION NUMBER: 60/567,570
;
; PRIOR FILING DATE: 2004-05-04
;
; NUMBER OF SEQ ID NOS: 107
;
; SOFTWARE: PatentIn version 3.3
;
; SEQ ID NO 10
;
; LENGTH: 199321
;
; TYPE: DNA
;
; ORGANISM: Homo sapiens
US-11-121-086-10

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Query Match		34.8%;	Score 501.6;	DB 12;	Length 199321;	
Best Local Similarity		69.4%;	Pred. No. 0.064;			
Matches 866;		Conservative	0;	Mismatches 319;	Indels 63;	Gaps 11;
Qy	1	TTTTTTTTTTTGAGATGAGTGTTCCTCTTGTGTGCCAGGCTGGAGTGCATATGCGCAA	60			
Db	73731	TTTTTTTTTTTGAGATGAGTGTTCCTCTTGTGTGCCAGGCTGGAGTGCATATGCGCAA	60			
Qy	61	TCTCAGCTCACCGCAACTCCGCTCTCCGGTTCGAAGCATTTCTCTGTGCTCAGCTCCC	120			
Db	73790	TGTCAGCTCACCGCAACTCCGCTCTCCGGTTCGAAGCATTTCTCTGTGCTCAGCTCCC	120			
Qy	121	CAGTAGCTGGGATTAACAGGCATGTGACCCAGCTCGGCTAAATTTGTATTTTTTTTAG	180			
Db	73850	AAGTAGCTGGGATTAACAGGAATGCGGCACATGCCCTGCTAAATTTT---TGTATATTTGG	180			
Qy	181	TAGAGATGAGGTTTCTCCATGTTGGTCAGGCTGGTCTCGAACTCCCGACCTCAGATGATC	240			
Db	73907	TAGAGACGGGTTTCTCCATGTTGGTCAGGCTGGTCTTGAACTCCCGACCTCAGGATGATC	240			
Qy	241	CCTCCGCTCTCGGCTCTCCAAAGTGTCTAGATACAGGACTGGCCACCATGCCGGCTCTGCC	300			
Db	73967	TACCGGCTCTCAGCTCTCCAAAGTGTCTAGATACAGGACTGGCCACCATGCCGGCTCTGCC	300			
Qy	301	TGGCTAAATTTTGTGTGAGAAACAGGGTTTCACTGATGTGCCAAGCTGGTCTCC--TGA	358			
Db	74027	TTTTTTTCTTTTTTCTGAGACGGAGTCTGTCTCTGTGTGCCAGGCTGGAGTGCAGTGA	408			
Qy	359	GCTCAAGCAGCTCCACCTGCTCAGCTCTCCAAAGTGTCTGGGATTAACGGCTGCAGCGGT	418			
Db	74087	CATGATCTCGGCCACTGCAACCTCTGCTCTCCGGGTTCAAGCAATTTCTGCTCAGGCTC	414			
Qy	419	GCCTGGCGCTTTTATTTTATTTTATTTTAAAGACACAGGTGTCCCACTCTTACCAGGATGA	478			
Db	74147	CCCAGTAGCTGAGATTACATGGCGCTGCCACCATGCTGGCTAAATTTTGTATTTTGTAGT	478			
Qy	479	AGTGCAAGTGTGTGATCAACA--GCTCACTGCAAGCTTCAACTCTCTGAGATCAAG-CATCC	535			
Db	74207	AGAGACAGGGTTTTCACCATATCGGTCAAGCTGGTCTCGAAATCTCTGACCTCAGGTTGATCC	535			
Qy	536	TCTGTGCTCAGCTCCCAAGTAGCTGGGACCAAGACATGCAACCACTACACTGGCTTAAT	595			
Db	74267	GCCCACTCAGCTCTCCAAAGTGTGAGATTAACGGCGTGAACTACCAAGCTCTGGCGAT	595			
Qy	596	TTTTTATTTTATTTTAAATTTTTCAGACAGAGTCTCAACTCTGTCAACCCAGGCTGGAGT	655			
Db	74327	TTTTTTT-----TTTTTAAAGCGGATTTCACTCTGTGTGCCAGGCTGGAGT	655			
Qy	656	GCAGTGGCGAATCTTGGCTCTACTGCAACTCTGCTCTCCGGTTCAAAGTTATTTCTCTG	715			
Db	74376	GCAATGGCTGATGTTGGTTCACTGCAACTCTGCTCTCCAGGTTCAAGCATTTCTCTCTG	715			
Qy	716	CCCCAGCTCTCAGTAGCTGGGACTACAGGGCCCCACCA-CGCTAGCTAAATTTTTTTTG	774			
Db	74436	CCTCATCTCTCAGTAGCTGGGACTACGGCAGCGCCACCGCACTGCTGATTTTGT	774			
Qy	775	TATTTTGTAGATGAGTGG-GGTTCAACCATGTTTGGCCAGGTTGATCTTGATCTCTGGACCT	833			
Db	74496	TATTTTGTAAAGCGGTTATTTACCATGTTGGCAGGCTGGTCTCAAACTCTTGACCT	833			
Qy	834	TGTGATCTCGCTCTCGGCTCTCCAAAGTGTGGGATTAACGGCGTGAGCCACCGCC	893			
Db	74556	CGTGATTCAGCACTCTCGGCTCTCCAAAGTGTCTAGGATTAACGGCGGAGTCAACCGCT	893			

```

RESULT 6
US-11-121-086-2/c
; Sequence 2, Application US/11121086
; Publication No. US20050266459A1
; GENERAL INFORMATION:
; APPLICANT: POULSEN, TIM S.
; APPLICANT: NIELSEN, KIRSTEN V.
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 09138 6000-00000
; CURRENT APPLICATION NUMBER: US/11/121,086
; CURRENT FILING DATE: 2005-05-04
; PRIOR APPLICATION NUMBER: 60/567,570
; PRIOR FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 2
; LENGTH: 191684
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-121-086-2

```

Query Match	33.8%;	Score 486.8;	DB 12;	Length 191684;
Best Local Similarity	67.5%;	Pred. No. 0.099;		
Matches 826;	Conservative 0;	Mismatches 372;	Indels 26;	Gaps 9;
QY	1	TTTTTTTTTTTGAGATGGAGTTTTCGCTCTCTGTCACCCAGGCTGGAGTGCATGGCGCAA	60	
Db	70067	TTTTTTTTTTTGAGACAGAGTCTCACTCTGTGACCCAGGCTGGAGTGCATGGCACGA	70008	
QY	61	TCTCAGCTCACCGCAACTCCGCCTCCCGGGTTCGAAGCGATTCTCTGTGCTCAGGCTCTCC	120	
Db	70007	TCTCGGCTCACTGCAGCCTCCGCCTCCCGGGTTCGAAGTATTCTCTTGCTCCACCTCC	69948	
QY	121	CAGTAGCTGGGATTACAGCGATTGTCACCCAGCCTCGGCTAATTTGTATTTTTTTTTTAG	180	
Db	69947	AGTAGCTGGGATTACAGCGGTGATACCAATCAGCGCTGGGCTAATTTT---TGTATTTTTTAG	69891	
QY	181	TAGAGATGGAGTTTCTCCATGTTGGTTCAGGCTGGTCTCGAACTCCCGACCTCAGATGATC	240	
Db	69890	CAGAGACAGGTTTCACCATGTTGGCCAGGCTGGTCTCGAACTCTGACCTCAGGTGACC	69831	
QY	241	CCTCCGCTCTCGGCTCCCAAAGTGCTAG--ATACAGGACTGGCCACCAATGCCCGGCTCTG	298	
Db	69830	TGCTCACTTTGGCCTCCCAAAGTGTGGGATTACAGCGGTGAGCCACCGTCCCGGCACAC	69771	
QY	299	CCTGGCTAATTTTGTGGTAGAAACAGGGTTTTCACTGATGTGCCCAAGCTGCTCTCCCTGA	358	

Db 69770 TCAGAGCTTTCAAGCAAGGGCAGGCACTGC-ACATGGACCTCCTCTTCTGGGGAGAGTTG 69712
Qy 359 GCTCAAGCAGTCCACCTGCTCAGCTCCCAAAGTGTCTGGGATTTACAGGGGTGAGCCGT 418
Db 69711 AGTGAACAAGACCTTGAACCCCAAGAGATCCGATTTGGGAGCTGGGTCCA 69652
Qy 419 GCCTGGCCCTTTTATTTATTTTATTTTAAAGA----CACAGTGTCCCACTTTTACCCAGG 474
Db 69651 GACTCTGAGCGGTATCTCTGACAAGACTAGAGGAGCCCCAGGCGAGTGTCTATTTCCCTGCG 69592
Qy 475 ATGAAGTGCAGTGGTGTATCACAGCTCACTGCAAGCTTCAACTCTCGAGATCAAGATC 534
Db 69591 TGTAGGGAACCTGCTGGAGAGAGTGCCTTGGAGAAGAAATGAGCTCCCACTACTATA 69532
Qy 535 CTCTGCTCCTCAGCCTCCCAAGTAGCTGGGACCAAGACATGCACCACTACACCTTGGCTAA 594
Db 69531 CCTGGCCATTTGAGAGGGAGCTTTACAGAAACCCCTTAGTAAGTATATTTGGTTTCTGT 69472
Qy 595 TTTTATTTTATTTTATTTTATTTTATTTTAAAGTGTGAGACAGAGTCTCAACTCTGTACCCAGGCTGGAG 654
Db 69471 TTTATTTTATTTATTTATTTACCTTTTGGACAGAGTCTC-ACTGTGTGCCAGGCTGCG 69413
Qy 655 TGCAGTGGCGCAATCTGCTGCTCACTGCAACCTCTGCTCCCGGGTTCAAGTATTTCTCCT 714
Db 69412 TGCAGTGGAGATCTTGGCTCACTGCAACCTCTGCTCCCGGGTTCAAGTATTTCTCCT 69353
Qy 715 GCCCAGGCTCTGTAGTGTGGGACTACAGGCGC---CCACCAGCCTAGCTAATTTT 771
Db 69352 GCCTCAGCCCTCTAGTGGCTGAGATTACAGACACTGCCACCACTGCTGGCTAATTTT 69293
Qy 772 TTGTATTTTATAGATAGGAGTGGGTTCCACATGTTGCCAGGTTGATCTGTATCTGTGAC 831
Db 69292 ATATTTTATAGAGACA-GGGTTTTGGCATGTTGGCCAGGCTGCTCGAACTCCTGAC 69234
Qy 832 CTGTGTGATCTGCTGCTGCTGCCCTCCCAAAGTGTGGGATTACAGGCTGAGCCACACG 891
Db 69233 CTCGTGATCTGCCCATCTCAGCCTCCCAAAGTGTGGGATTACAGGCAATGAGCAATCGCA 69174
Qy 892 CCGGCG-----TTATTTTAAATTTTGTGTTTGTGAAATGGAATCTCACTC-TGT 940
Db 69173 CCCAGGGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTATAGACAGATTTTCACACTGT 69114
Qy 941 TACCAGGCTGAGTGCAATGCCAAATCTCGGCTCACTGCAACCTCTGCTCCCGGCT 1000
Db 69113 TGCCAGGCTGAGTGCAATAGTGTGATCTCGGCTCACTGCAACCTCTCGTCTCTCGGGTT 69054
Qy 1001 CAAGCGATTTCTCTGTCTCAGCTCCCAAGCAGCTGGGATTACGGGCACCTGCCACCA 1060
Db 69053 CAAGCGATTTCTCTGTCTCAGCTCCCAAGTGTGGGATTACAGGCGCTGCTACCA 68994
Qy 1061 CCCCCTAAATTTTGTATTTTATTTAGAGCGGGTTTCCACATATTTGTACAGGCTGTCT 1120
Db 68993 CCCAGCTACTTTTATATTTTATTTAGTAGAGCGGGTTTCACTGTGTGGCCAGGCTAGTA 68934
Qy 1121 TCAACTCTGACTCAGTGACCCACCTGCTGCTCAGCTCCCAAGTGTGGGATTACAG 1180
Db 68933 TCAACTCTGACTCAGTGATCTGCGCGCTCGGCTTCCAAAGTGTGAGATTATAG 68874
Qy 1181 GCGTAGCCACCTTCAACCCAGCGG 1204
Db 68873 GCGTAGCCACCTGCGCCAGCCTG 68850

RESULT 7

US-10-330-773-698
; Sequence 698, Application US/10330773
; Publication No. US20060040262A1
; GENERAL INFORMATION:
; APPLICANT: David W. Morris
; APPLICANT: Marc Malandro
; TITLE OF INVENTION: Novel Compositions and Methods in Cancer
; FILE REFERENCE: 529452001300
; CURRENT APPLICATION NUMBER: US/10/330, 773

; CURRENT FILING DATE: 2002-12-27
; NUMBER OF SEQ ID NOS: 981
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 698
; LENGTH: 178024
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: misc_feature
; LOCATION: (1)...(178024)
; OTHER INFORMATION: n = A,T,C or G
US-10-330-773-698

Query Match 33.3%; Score 480.6; DB 7; Length 178024;
Best Local Similarity 69.6%; Pred. No. 0.12; 314; Indels 62; Gaps 13;
Matches 861; Conservative 0; Mismatches 0;
Qy 1 TTTTTTTTTTGAGATGGAGTTTTCGCTCTTGTGGCCAGGCTGGAGTGCATGGCGAA 60
Db 123012 TTCTTTTTTTTGAGAGATAGTCTGGCTCAGTCGCCCGGCTGGAGTGGTGGGA 123071
Qy 61 TCTCAGTCAACCGCAACTCCGCTCCCGGTTCAAGGATTTCTCTGCTCAGCTCCCTCCC 120
Db 123072 TCTCGGCTCGCTCAACCTCCGGCTCCTGGGTTCAAGCGATTTCTCTGCTCGGCTCCC 123131
Qy 121 CAGTAGCTGGGATTACAGGCGATGTGCACCCAGCTCGGCTAAATTTTGTATTTTTTTAG 180
Db 123132 AAGTAGCTGGGATTAAGGGCGGCCACCAACGCGCCATCTAATTTT---TGTATTTTAG 123188
Qy 181 TAGAGATGGAGTTTCTCCATGTTGGTCAGGCTGTCTCGAATCCCGACCTCAGATGATC 240
Db 123189 TAGAGAGGGGTTTCCACATGTTGCCAGGATGCTCTCAATCTCTTGACCTC--GTCATC 123246
Qy 241 CCTCCGTCCTGGCTCCCAAAGTGTCTAG--ATAAGAGCTGGCCACCATGCCCCGGCTCTG 298
Db 123247 CACCGCTCAGCTCCCAAAGTGTGGGATTACAGGCGTGAGGCACCGACCTGGGCTC 123306
Qy 299 CTTGGCTAAATTTTGTGGTAGAAGACAGGTTTCTACTGATGTGCCAAGCTGTCTCTCGA 358
Db 123307 TTTCTGTTCTTTTCTTCCCTTCTTCTCTCTTT-----TCTTCTTTTCTGT 123351
Qy 359 GCTCAAGCAGTCCACCTGCTCAGCTCCCAAGTGTCTGGGATTACAGGCGTGCAGCGT 418
Db 123352 CTTTTCTGTGTTCTGATTTTCTTTCTTTCATGATTTAGTCTTAA--TTTCTTGTGT 123409
Qy 419 GCCTGGCCTTTTATTTTATTTTAAAGACAGAGTGTCCACTCTTACCAGGATGA 478
Db 123410 TTGTTGTGTTGGTGTGTTTGTGTTTTTGTGTTTTTGTGAAACAGTCTTGTCTGTACCCAGGCTGG 123469
Qy 479 AGTCAGTGTGTGATACAGCTCACTGACGCTTCAACTCTGAGATCAAGC-ATCTCTC 537
Db 123470 AGTCAGTGGGCGAGTCAAGCTTACTGTATCTTGAATCTCTGAGCTCAAGCAATCTCTC 123529
Qy 538 CTGCTCAGCTCCCAAGTAGCTGGGACCAAGACATGCACCACTACACCTGGGCTAAATTT 597
Db 123530 CCACCTCAGTCTCCCAAGTAGCTGGGACCAAGGACACATCACCAACCCCAACTAAATTT 123589
Qy 598 TTATTTTAT-----TTTTAATTTTTTGGACAGAGTCTCAACTCTG 639
Db 123590 ATTTATTTATTTATTTATTTATTTATTTATTTTGTGAGCGGAGTCT-TGCTCTG 123648
Qy 640 TCACCCAGGCTGGAGTGCAGTGGCGCAATCTTGGCTCACTGCAACTCTGCTCCCGGT 699
Db 123649 TCGCCAGGCTGGAGTACAGTGGCGGATCTCGGCTCATTTGAGCTCCGCTCCCGGT 123708
Qy 700 TCAAGTATTTCTCTGCCCCAGGCTCTCTGAGTAGTGGGACTACAGGCGGCCACCAACGCC 759
Db 123709 TCACGCCATTCTCGTGGCTCAGCTCCCGGAGTAGCTGGGACTACAGGACCCACACACCAC 123768
Qy 760 TAGC-----TAATTTTTTTTGTATTTTATAGTAGAGATGGGG--TTACCATGTTGCCAGGT 813
Db 123769 ACCCGGCTAAATTTTGTATTTTATTTTATAGTAGAGCGGGTTTTCACCATGTTAGCCAGGA 123828

Qy	814	TGATCTTGATCTCTGGACCTTGTGTGATCTGCCTCGCCTCCAAAGTGTGGGATTA	873
Db	123829	TGGTCTTGATCTCTGATCTTGTGATCTGCCACCTCAGCCTCCAAAGTGTAGGATTA	123888
Qy	874	CAGGCGTGAAGCACCACGCGCGGC--TTATTTTAAATTTTGTGTGTTGAAATGGAA	930
Db	123889	CAGGCGTGAAGCACCACGCGCGCCAGCCAATTAATTTGTTATTAATTTTTTGACACAGGT	123948
Qy	931	CTACTCTGTTTACCAGGCTGGAGTGCAATGG-CCAAATCTCGGCTCACTGCAACCTCTG	989
Db	123949	CTCGTCTCTGTTGCGCAGGCTGGAAATGCAATGCGTAGTGATCACAGCTCACTGCGAGCTCAG	124008
Qy	990	CCTCCGGGCTCAAGCGATTCTCTGTCTCAGCCTCCCAAGCAGCTGGGATTAACGGGCAC	1049
Db	124009	CCTCCAGGCTCAAGCAATCTCTCGCTCAGCCTCTGAGTAATCGGAACTATAGGCAC	124068
Qy	1050	CTGCCACACACCCCGCTAAATTTTGTATTTTCAATTAGAGCGGGGTTTCAACATATTG	1109
Db	124069	ATACCAACATGCCAGCTAAATTTTTGTA-----GAGAGGGGCTTCACCATGTTGC	124120
Qy	1110	TCAGGCTGGTCTCAAACCTCTGACCTCAGGTGACCCACCTGCCTCAGGCTTCCAAAGTGC	1169
Db	124121	CCAGGCTGGTCTCAGTTTCTCGGCTCAAGCAATCTGCCACCCGAGGCTTCCATAGAGC	124180
Qy	1170	TGGGATTAAGGCGTGAGCCACCTCACCCAGCCGGCT	1206
Db	124181	TGGGATTGACGCGTGATCTTACCAACCCAGCCAGGT	124217

RESULT 8

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RES001.8
US-10-330-773-741/c
; Sequence 741, Application US/10330773
; Publication No. US20060040262A1
; GENERAL INFORMATION:
; APPLICANT: David W. Morris
; APPLICANT: Marc Malandro
; TITLE OF INVENTION: Novel Compositions and Methods in Cancer
; FILE REFERENCE: 529452001300
; CURRENT APPLICATION NUMBER: US/10/330,773
; CURRENT FILING DATE: 2002-12-27
; NUMBER OF SEQ ID NOS: 981
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 741
; LENGTH: 79544
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-330-773-741

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Query Match	33.1%	Score	477.6;	DB	7;	Length	79544;
Best Local Similarity	69.0%	Pred. No.	0.26;				
Matches	952;	Conservative	0;	Mismatches	259;	Indels	169;
						Gaps	15;
QY	1	TTTTTTTTTTTGAGATGGAGTTTTTCCTCTTTGTCGCCAGGCTGAGATGCAATGGCGAA	60				
DB	30949	TTAAATTTTTTTGAGACAGAGTTTTT-GCTCTGTTGCCAGGCTGGAGTGCATGTTGC	30891				
QY	61	TCTCAGCTCACGCCAACCTCCGCTCCCGGGTTCAAGCGATTCTCCTGCCTCAGCCTCCC	120				
DB	30890	TCTTGGCTCACTGCAACCTCCACCTCTGGGTTCAAGTGATTCTCTCTGCCTCAGCCTCCC	30831				
QY	121	CAGTAGCTGGGATTACAGGATGTGCAACCAGCTCGGCTAATTTTGTATTTTTTTTAG	180				
DB	30830	AGGTAGCTGGCATCACAGGATGAGGCCACCATGCCCGGCTAATTTTGTATTTT	30775				
QY	181	TAGAGATGAGAGTTTCTCAATGTTGGTCAGGCTGGTCTCGAACTCCGACCTCAGATGATC	240				
DB	30774	TAGAGATGGGGTTTTTACCACGTTGGTTCAGGCTGGTCTCGAACTCATTAACCTCAGTGATC	30715				
QY	241	CTCTCCGCTCTCGGCTCCCAAGATGCTAGATACAGGACTGGCCACCATGCCGGCTCTGCC	300				
DB	30714	AC-CCGCCCTGGTGTCCCCAATGTGCTGGGATTACAGATGTGAGCCACTGCTCTCTGGGCTAA	30656				
QY	301	TGGCTAATTTTTGTGTGAGAAACAGGGTTTTCACTGATGTGCCAACAGCTGGT-----CTC	354				

RESULT 9

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US-11-121-086-98
; Sequence 98, Application US/11121086
; Publication No. US2005026459A1
; GENERAL INFORMATION:
; APPLICANT: POULSEN, TIM S.
; APPLICANT: NIELSEN, KIRSTEN V.
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 09138.6000-00000
; CURRENT APPLICATION NUMBER: US/11/121.086
; PRIOR FILING DATE: 2005-05-04
; PRIOR APPLICATION NUMBER: 2005-05-04
; PRIOR FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 98
; LENGTH: 171732
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-121-086-98

Query Match      33.1%; Score 477.6; DB 12; Length 171732;
Best Local Similarity 66.3%; Pred. No. 0.14;
Matches 862; Conservative 0; Mismatches 384; Indels 54; Gaps 10;

QY 1 TTTTCTTTTTCAGATGAGTTTCGCTCTTGTGTCCTCCAGGCTGAGTGCATGGCGCAA 60
DB 89572 TTTTCTTTTTCAGATGAGG-TTTAAATTTCTTGTGCTAGGCTGGAGTTCAATGGCGGA 89630

QY 61 TCTCAGCTCACCGCAACCTCCGCTCCCGGGTTCAAGCGATTCTCCTCCCTCAGCC-TCC 119
DB 89631 TCTCGGCTCAGTGCACACCTCCACCTCCAGGTTTCAAGGATTCCTCCTCCCTCAGCCTCC 89690

QY 120 CCAGTAGCTGGGATTACAGGCATGTGCACCCACGCTCGGCTAAATTTTGTATTTT 179
DB 89691 TGAGTAGCTGGGATTACAGGCATGTGCACCCAGGATGGTAAATTTTGTGTA----CTTTTA 89746

QY 180 GTAGAGATGGAGTTTCTCATGTTGGTCAGGCTGTCTCGAACTCCCGACCTCAGATCAT 239
DB 89747 GTAGAGACGGGGTTTCTCATGTTGGTCAGGCTGTCTTGAACCTCCCGACCTCAGATCAT 89806

QY 240 CCTCCGCTCCGCTCCCAAGTGTAGATACAGACTGGCCACCATGCGCGGCTCTGC 299
DB 89807 CTGCTCGCTCCGCTCCCAAGTGTAGATACAGACTGGCCACCATGCGCGGCTCTGC 89866

QY 300 CTGGCTAAATTTTGTGTAGAAACAGGGTTTCAGTATGTGCCCAAGCTGTCTCCTGAG 359
DB 89867 TTTTCTTATTACAGACTCATTTAGTGTTTAGCATTTGTTGATGGCTCTCTACTAAGAGCTT 89926

QY 360 CTCAGCAGCTCCACCTCGCTCAGCCTCCCAAGTGTGGGATTACAGGCTGCAGCCGTG 419
DB 89927 CTTTTCCTTAGTGTCTGTAAATACAGCATTCAGATTTGTTCTTCTACTCAAAATATAAT 89986

QY 420 CTGGCTTTTATTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 479
DB 89987 GTTGGACTTTTACAGCTTTGATTTAGTATTTGCTTTTCTTGAGTTGACATACATCA 90046

QY 480 GTGCACTGTGTGATCACAGCTCAGTGCAGCCTTCAACTCTTGAATCAAGCATCTCTCT 539
DB 90047 TT-----TTCTGGACATCTCTCATCTATTCTTATCTTAAATTTCC 90088

QY 540 GCTCAGCTCCCAAGTAGCTGGGACCAAGACATGCACCATACACTGAGCTGGCTAATTTT 599
DB 90089 CCCTTTTGTCTTACTTTCT-----TTTTCCTTTTCTTTTCTTTT 90127

QY 600 ATTTTATTTTAAATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 659
DB 90128 TTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 90187

QY 660 TGGCGCAATCTTGGCTCAGTGCACACCTCTGCTCCCGGGTTCAAGTTATTTCTCTGCCCT 719
DB 90188 TGGCGGATCTCAGATCAGTGCATCTCGGCTCCCGGTTTCAAGCAATTTCTCTGCCCTC 90247

QY 720 AGCCTCTGTAGTGGGACTACAGGCGCCACAGGCTAGCTAAATTTTGTATTT 779

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DB 90248 AGCTCTCTGAGTAGCTAGGATTACAGGTGATGCCACCACAGCTAATTTTGTATTTT 90307
QY 780 TTAGTAGAGATGGGGTTACCATGTTTCCAGGTTGATCTTGTATCTCTGACCT--TGTG 837
DB 90308 TAGTAGAGACAGGGTTTACCATGTTTGGCCAGGCTGCTCTCAAACTTCTGACCTCAA 90367
QY 838 ATCTGCTGCTCGGCTCCCAAGTGTGGGATTACAGGCTGAGCACCACAGCCCGGC 897
DB 90368 ATCTGCCACCTTGGCTCCCAAAATGCTGACATTACAGGCTGAGCATCGCACTTGTCT 90427
QY 898 TTAATTT--TTAAATTTTGTGTTTGAATGGAATCTCACTC-TGTTACCCAGGCTGGAG 954
DB 90428 TTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTT 90487
QY 955 TGCAATGGCCAAATCTCGGCTCACTGCAACTCTGCTCTCCGGCTCAAGGATTTCTCT 1014
DB 90488 TGCAGTGGCAGATCTCAGATCGTCAACCTCTGCCCCCAGGTTTCAAGAGATTTCTCT 90547
QY 1015 GTCTCAGCTCCCAAGCAGCTGGGATTACGGGACCTGCGCACACACCCCGCTAA-TTTT 1073
DB 90548 GCCTCAACTTCTCTAGTAGCTGGGATTACAGGCTGCTTCCCACTACCCAGCTAATTTT 90607
QY 1074 TGTATTTTCAATTAGAGCGGGTTTCCACATATTGTCAGGCTGTTCTCAAACTCTGAC 1133
DB 90608 TGTATTTTATAGAGAAGGGTTTTCATCATGTTGGCCAGACTGCGCTCGAACTCCAGAC 90667
QY 1134 CTCAGGTGACCCACTCGCTCAGCTTCCAAAGTGTGGGATTACAGGCTGAGGCACCT 1193
DB 90668 CTCAGGTGATCCACCCGCTCGGCTTCCGAAAGTGTGGGATTACAGGCTGAGGCACCG 90727
QY 1194 CACCAGCGGCTAAATTT--AGATAAATAATATAGCAATGGGGGCTCTTGTATGT 1250
DB 90728 TGCCAGACTTTTCTTTTAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 90787
QY 1251 TGCCAGGCTGCTCAAACTTCTGGCTTCAATGCAATCT 1290
DB 90788 TGCTCAGGCTGCTCAAACTCTTAGGCTCAAGTATCT 90827

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RESULT 10
US-11-121-086-58/c
; Sequence 58, Application US/11121086
; Publication No. US2005026459A1
; GENERAL INFORMATION:
; APPLICANT: POULSEN, TIM S.
; APPLICANT: NIELSEN, KIRSTEN V.
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 09138.6000-00000
; CURRENT APPLICATION NUMBER: US/11/121.086
; CURRENT FILING DATE: 2005-05-04
; PRIOR FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 58
; LENGTH: 180654
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-121-086-58

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Query Match      32.9%; Score 474.8; DB 12; Length 180654;
Best Local Similarity 68.0%; Pred. No. 0.14;
Matches 838; Conservative 0; Mismatches 327; Indels 67; Gaps 10;

QY 1 TTTTCTTTTTCAGATGAGTTTTCGCTCTTGTGTCCTCCAGGCTGAGTGCATGGCGCAA 60
DB 141336 TATTTTATTTAGATGAGTTT--GCTTCTGTTGCCAGGCTGGAGTGCATGGCGCA 141278

QY 61 TCTCAGCTCACCGCAACCTCCGCTCCCGGGTTCAAGGATTTCTCTGCTCAGCTCCC 120
DB 141277 TCTTGGCTCACCACCAACCTCCACCTCCCGGGTTCAAGCAATTTCTCTGCTCAGCTCCC 141218

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QY 121 CAGTAGCTGGATTACAGGATGTGACCCAGCTCGGCTAATTTTGTATTTTTTTTAG 180
 DB 141217 GAGTAGCTGGATTGAGGATATGACACAGCCCTGGCTAATTTT-TTGTATTTTTTAG 141160
 QY 181 TAGAGATGGAGTTTCTCCATGTTGGTCAGGCTGGTCTCGAACTCCCGACCTCAGATGATC 240
 DB 141159 TAGAGATGGAGTTTCTCCATGTTGGTCAGGCTGGTCTCAAACTCCCGACCTCAGGTGAT 141100
 QY 241 CTCCTGCTCGGCTCCAAAGTGTAGATACAGGACTGGCCACCAATGCCGCTCTGCC 300
 DB 141099 CCCCCACCTCAGCCTCCAAAGTGTGGGATTTATAGGTGTGAGCCA-CTGTGCTGGCCC 141041
 QY 301 TGGCTAATTTTGTGTAGAAACAGGTTTCACTGATGTGCCCAAGCTGGTCTCTGTGAC 360
 DB 141040 TTGAACATTTATTTTCTAATCTGAATGAAATAGTGGGGGAAAAAAGATGAAACAAAGT 140981
 QY 361 TCAAGCAGTCCACCTGCTCAGCCTCCAAAGTGTGGGATTTACAGGCGTGCAGCGTGC 420
 DB 140980 AGTAGAGTAATACCATTC-----ATGTTAAATGAATGACACTCC 140942
 QY 421 CTGGCCTTTTATTTTATTTTATTTTAAAGACAGGTGTCCCACTCT-TACCCAGGATGAA 479
 DB 140941 ATAAAAACACTTCTCTGTATTTTACTGTGTATGTCTCTCTATATAGAAAGGCCCAA 140882
 QY 480 GTGCAGTGTGTGATCACAGCTCACTGCAGCCTTCAACTCCTGAGATCAAGCATCTCT 539
 DB 140881 CAGTAACCCCACTTAATGATAACAAAGATGATTCTCTGGAGAGGATTCAGGAT 140822
 QY 540 GCTCAGCCTCCCAAGTAGCTGGGACCAAGACATGCACCACTACACCTGGCTAATTTT 599
 DB 140821 TATGAGGTGGACTT-----CAGGTTCCT 140796
 QY 600 ATTTTATTTTAAATTTTATTTTATTTTAAAGACAGAGTCTCAACTCTGTCAACAGCTGGAGTGAG 659
 DB 140795 GTGTAAAGGTTTACTTTTTTGGAGTGGACTCT-TGCTCTGTGCGCCAGGCCAGAGTCCAG 140737
 QY 660 TGGCGCAATCTTGGCTCACTGCAACTCTGCTCCCGGGTCAAGTATTCTCTGCCCC 719
 DB 140736 TGTGCGGATCTCAGCTCACTGCAAGCTCGCCTCTGCGGTTCAGCAATTTCTTCTGCTC 140677
 QY 720 AGCTCTCAGTAGCTGGGACTACAGGGGC---CCACACAGGCTAGCTAATTTTGTGA 776
 DB 140676 AGCTCTCAGTAGCTGGGACTACAGGCACTGCGCACCACTGCGCCAGCTAATTTTGTAT 140617
 QY 777 TTTTATGAGATGGGTTTCAACATGTCAGGTTGATCTTGATCTCTGGACCTTGT 836
 DB 140616 TTTAATAGAGACA-GGGTTTACCGTATTTGGTCAGGCTGGTCTTGAACTCCTGACCTTGT 140558
 QY 837 GATCTGCTGCTCGGCTCCCAAGATGCTGGGATTAAGGCGTGAGCCACACCGCCGG 896
 DB 140557 GATCACCCTGCTCAGCCTCCCAAGTGTGGGATTTACAGGTGTGAACCACTGTGCTGG 140498
 QY 897 CTATTTTAAATTTTGTGTTGTTGAAATCTCACTCTGTGTACCAAGCTGGAGTG 956
 DB 140497 CTAATTTT-TTTTATTTTGTAGACAGAGTTTGTCTTGTGTCTCAGGCTGGAGTG 140440
 QY 957 CAATGGCCAAATCTCGGCTCACTGCAACTCTGCTCCCGGCTCAACGATTTCTCTGT 1016
 DB 140439 CAGTGGCATGATCTCGGCTCACTGCAACTCTGCTCCCGGCTCAAGCAATTTCTCATGC 140380
 QY 1017 CTCAGCTCCCAAGCAGCTGGGATTAAGGCGACCTGCCACACACACCCCGCTAATTTTGT 1076
 DB 140379 CTCGCGCTCCCGAGTGTGGGATTTACAGGCAACCGCCACACACCTGGCTAATTTTGT 140320
 QY 1077 ATTTTCAATAGAGGGGGTTTCAACATATTTGTGAGGCTGGTCTCAAACTCTTGACCTC 1136
 DB 140319 ATTTTATAGAGCGGGTTTCCCTATTTGTTGTTGAGCTGGTGTCAAACTCTTAACCTC 140260
 QY 1137 AGGTGACCCACTGCTCAGCTTCCAAAGTGTCTGGGATTAAGGCGTGAGCCACCTCAC 1196
 DB 140259 AAGTGATCCACTGCTCGGCTCCCAAGTGTGAGATTTATAGCGGTGAGCCACCGC 140200
 QY 1197 CCAGCGGCTAATTTAGATAAAAAAATATGTA 1228

DB 140199 CAGGCTCATGTATTTAATTTTATAAAAGTTA 140168

RESULT 11

US-11-112-908-42
 ; Sequence 42, Application US/11112908
 ; Publication No. US20050260659A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Harris, Cole
 ; TITLE OF INVENTION: Breast Cancer Biomarkers
 ; FILE REFERENCE: 04-164-US
 ; CURRENT APPLICATION NUMBER: US/11/112,908
 ; PRIOR FILING DATE: 2005-04-22
 ; PRIOR APPLICATION NUMBER: US 60/564,758
 ; PRIOR FILING DATE: 2004-04-23
 ; PRIOR APPLICATION NUMBER: US 60/575,978
 ; PRIOR FILING DATE: 2004-06-01
 ; PRIOR APPLICATION NUMBER: US 60/631,702
 ; PRIOR FILING DATE: 2004-11-30
 ; PRIOR APPLICATION NUMBER: US 60/633,826
 ; PRIOR FILING DATE: 2004-12-07
 ; NUMBER OF SEQ ID NOS: 511
 ; SOFTWARE: PatentIn version 3.3
 ; SEQ ID NO 42
 ; LENGTH: 155515
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-11-112-908-42

Query Match 32.8%; Score 473; DB 12; Length 155515;
 Best Local Similarity 69.6%; Pred. No. 0.17;
 Matches 878; Conservative 0; Mismatches 320; Indels 63; Gaps 15;

QY 1 TTTTATTTTGTAGATGAGTTTTCGCTCTTGTGTCGCCAGGCTGAGTGCATATGCGCAA 60
 DB 30277 TTTTATTTTCTGAGATAGAG-TTTCACCTCTTGTGTCGCCAGGCTGAGTGCATATGCGCAA 30335
 QY 61 TCTCAGCTCACGCCAACTCTCGCTCCCGGTTCAAGGATTTCTCTCGCTCAGCTCC 120
 DB 30336 TCTTGGCTCACTGCACCTCTCGCTCTCGGTTCAAGTATTTCTCTCGCTCAGCTCC 30395
 QY 121 CAGTAGCTGGATTTACAGGCATGTGCACCCAGCTCGGCTAATTTTGTATTTTTTTAG 180
 DB 30396 AAGTAACTGGGATTTACAGGGAAGTGCCACACACCCAGCTAATTTT---TGTATTTTAG 30452
 QY 181 TAGAGATGAGATTTCTCATGTTGGTCAAGCTGTGCTCGAACTCCCGACCTCAGATGATC 240
 DB 30453 TAGAGATGGGTTTTCACCACATTTGCCAGGCTGGTCTTGAACTCTCTGACCTC--GTGAT 30510
 QY 241 CCTCGCTCTCGGCTCCCAAGTCTAGATACAGGACTGGCCACCATGCCGCTCTGCC 300
 DB 30511 CGCCCACTTGGCTCTCCCAAGTCTGG---GATTACAGGCTGAAACACACGCTCTGCC 30567
 QY 301 TGGCTAATTTTGTGTAGAAACAGGTTTCACTGTATGTGCCCAGGCTGGTCTCTCTG--- 357
 DB 30568 TTTTATTTTGTGTTCT-GAGACACAGTTTCACTCTGTATCCAGGCTGGAGTGGGGTGG 30626
 QY 358 --AGCTCAGCAGTTCACCTGCTCAGCTCCCAAGTGTCTGGGATTTACAGGCTGTGACG 415
 DB 30627 CCTGATCTCGGATCACTGCAACCTCCGCTCTCGGCTCAAGTGAATTTGCTGCTCAGC 30686
 QY 416 CGTCCCTGGCTTTTATTTTATTTTATTTTAAAGACAGGTTGTCCTCTTATCCAGGA 475
 DB 30687 CTCCAAAGTAGCGAGATTTACAGGCATGTGCCACACACCCAGGTAATTTTGTATTTT 30746
 QY 476 TGAAGTCAGTGGTGTGATCA--CAGCTCACTGAGGCTTTCAACTCTCTGAGTCAAG-CA 532
 DB 30747 GGTAGACGAGGTTTTCACCATGTTGGCCAGGCTGGTCTTGAACTCTCTGACCTCAGGTGA 30806
 QY 533 TCCTCTGCTCAGCTCCCAAGTGTGGGACCAAGATGTAGCTGGGACCAAGACATGCACCTACCTGGC- 591

Db	30807	TCACCCGCTCAGCCTCCCAAAGTCTGAGATTATAGTGTGAGCCACACACCTGGCC	30866
Qy	592	-----TAATTTTATTTTATTTTAAATTTTTCAGACAGAGTCTCAACTCTGT	640
Db	30867	TCAGGAAGTATTTTATTTTAAATTTTATTTATTTAGATGGAGTCT-TGCTCTGT	30925
Qy	641	CACCCAGGCTGGAGTCAGTGGCGCAATCTTGGCTCACTGCAACCTCTGCTCCCGGTT	700
Db	30926	CGCCAGGCTAGAGTCAGCGACGGGATCTCGGCTCACTGCAAGCTCCGCCCCCGAGTT	30985
Qy	701	CAAGTTATCTCTGCCCGCAGCCTCTGAGTCTGGGACTACAGGCG---CCACACG	757
Db	30986	CAAGCCATTCTCTGCTCAGCCTCCCGAGTAGCTGGGACTACAGGCGCCGCCACCA	31045
Qy	758	CCTAGCTAAATTTTGTATTTTATTTAGTAGAGTGGG-GTTCAACCATGTTGCCAGGTTGA	816
Db	31046	CCCGGCTAAATTTTGTATTTTATTTAGTAGACGGTTTTCACCGTGTAGCCAGGAGG	31105
Qy	817	TCATTGATCTCTGGACCTTGTGATCTGCTCGGCTCCCAAAGTGTGGGATTACAG	876
Db	31106	TCCTGATCTCTGACCTCGTGTATCTGCTCGGCTCCCAAAGTGTGGGATTACAG	31165
Qy	877	GCCTGAGCCACGCGCGGCTTATTTTAAATTTTGTGTTGAAATGGAATCTCACT	936
Db	31166	GTGTGAGCCACACACCGGCT-----ATTTTATTTTATTTTATTTTATTTTATTTT	31217
Qy	937	CTGTTACCGAGCTGGAGTGAATGGCCAAATCTCGGCTCACTGCAACCTCTGCTCCCG	996
Db	31218	CTGTACCTGGCTGCACTGAGTGG-TACACCATAGTCTCACTGAGCCTCGACTCTG	31276
Qy	997	GGCTCAAGCGATCTCTGTCTCAGCCTCCCAAAGTGTGGGATTACGGGACCTGCCAC	1056
Db	31277	AGCTCAAGTGATCTCTCCACCTCATCTCTCCCAAAGTAAATGGGACTACAGGCGCAC	31336
Qy	1057	CACACCCGCTAAATTTTGTAT-----TTTCATTTAGAGCGGGGTT	1097
Db	31337	CATGCCCACTTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTTAT	31396
Qy	1098	TCACCATATTTGTAGGCTGGTCTCAAACTCTCTGACCTCAGTGACCCACCTGCTCAGC	1157
Db	31397	TCCCTGTGTTCAGGCTGGTCTTTGAATCTCTGAGCTCAAGGATCTTTTCTCTGGC	31456
Qy	1158	CTTCCAAAGTCTGGGATTACAGGCGTGAGCCACTCAACCGCGGCTAATTTAGATAA	1217
Db	31457	CTCCCAAAGTCTGAGATTACAGGATGAGCCACCGTGCCAGCTAGGAATCAITTTTAA	31516
Qy	1218	A 1218	
Db	31517	A 31517	
RESULT 12			
US-11-112-908-43			
; Sequence 43, Application US/11112908			
; Publication NO. US20050260659A1			
; GENERAL INFORMATION:			
; APPLICANT: Harris, Cole			
; APPLICANT: Davis, Lisa M.			
; TITLE OF INVENTION: Breast Cancer Biomarkers			
; FILE OF INVENTION: 04-164-US			
; CURRENT APPLICATION NUMBER: US/11/112,908			
; CURRENT FILING DATE: 2005-04-22			
; PRIOR APPLICATION NUMBER: US 60/564,758			
; PRIOR FILING DATE: 2004-04-23			
; PRIOR APPLICATION NUMBER: US 60/575,978			
; PRIOR FILING DATE: 2004-06-01			
; PRIOR APPLICATION NUMBER: US 60/631,702			
; PRIOR FILING DATE: 2004-11-30			
; PRIOR APPLICATION NUMBER: US 60/633,826			
; PRIOR FILING DATE: 2004-12-07			
; NUMBER OF SEQ ID NOS: 511			
; SOFTWARE: PatentIn version 3.3			
; SEQ ID NO 43			
; LENGTH: 159660			
; TYPE: DNA			
; ORGANISM: Homo sapiens			
; US-11-112-908-43			
Query Match 32.8%; Score 473; DB 12; Length 159660;			
Best Local Similarity 69.6%; Pred. No. 0.17;			
Matches 878; Conservative 0; Mismatches 320; Indels 63; Gaps 15;			
Qy	1	TTTTTTTTTTGAGATGGAGTTTTCTCTCTTTGTTGCCAGGCTGGAGTGAATGGCGCAA	60
Db	20080	TTTTTTTTTTCTGAGATAGAG-ATTCACTCTTTTGGCCAGGCTGGAGTGAATGGTGC	20138
Qy	61	TCTCAGCTCACCCCAACCTCCCGCTCCCGGTTCAAGCGATTCTCTGCTCAGCCTCCC	120
Db	20139	TCTTGGCTCACTCAACCTCTGCTCTCGGGTTCAAGTGAATCTCTGCTCAGCCTCCC	20198
Qy	121	CAGTAGCTGGGATTACAGGCATGTGACCCACGCTCGGCTAAATTTTGTATTTTTTTAG	180
Db	20199	AAGTAATCTGGGATTACAGGAGTGGCACACACCCAGCTAAATTT---TGATTTTTAG	20255
Qy	181	TAGAGATGGAGTTTCTCCATGTTGGTCAGGCTGGTCTCGAACTCCCGACCTCAGATGC	240
Db	20256	TAGAGATGGGTTTCAACCATTTGCCAGGCTGGTCTTGAACCTCTGACCTC--GTGATT	20313
Qy	241	CTTCCGCTCTCGGCTCCCAAAGTGTAGATACAGGACTGGCCACCATGCCCGCTCTGCC	300
Db	20314	CGCCACCTTTGGGCTCCCAAAGTGTGG---GATTACAGGCTGMAACACACACGCTGGC	20370
Qy	301	TGGCTAAATTTTGTGGTAGAAACAGGGTTTTCACTGATGTGCCCAAGCTGTCTCCTG---	357
Db	20371	TTTTTTTTTTTGTCTT- GAGACACAGTTTCACTCTCTGTACCCAGGCTGGAGTGGGTG	20429
Qy	358	--AGCTCAAGCAGTCCACCTGCTCAGCTCCCAAGTGTGGGATTACAGGCTGCGAGC	415
Db	20430	CCTGATCTCGGATCACTGCAACCTCCGCTCTCGGCTCAAGTGAATTTGCTGTCTCAGC	20489
Qy	416	CGTCCCTGGCCTTTTATTTTATTTTATTTTAAAGACACAGGTGTCCCACTCTTACCAGGA	475
Db	20490	CTCCCAAGTAGCCGAGATTACAGGCATGTGCCACACACACCCAGGTAATTTTGTATTTT	20549
Qy	476	TGAAGTCAGTGGTGTGATCA--CAGCTCACTGCAGCGCTTCAACTCTCTGAGATCAAG-CA	532
Db	20550	GGTAGACAGAGGTTTACCATGTTGGCCAGGCTGTCTTGAACCTCTGACCTCAGGTGA	20609
Qy	533	TCCTCTCTGCTCAGCCTCCCAAAGTGTGGGACCAAGACATGACACCACTACACCTGCG-	591
Db	20610	TCCACCGCCTCAGCCTCCCAAAGTGTGAGATTATAGGTGTGAGCCACCACTGCGCC	20669
Qy	592	-----TAATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT	640
Db	20670	TCAGGAAGTATTTTATTTTAAATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTT	20728
Qy	641	CACCCAGGCTGGAGTGCAGTCGCGCAATCTTGGGCTCACTGCAACCTCTGCTCCCGGTT	700
Db	20729	CGCCAGGCTAGAGTCAGCGACGGGATCTCGGCTCACTGCAAGCTCCGCCCGCCAGGTT	20788
Qy	701	CAAGTTATTTCTCTGCCCGCAGCCTCTGAGTAGTGGGACTACAGGCG---CCACCAG	757
Db	20789	CAAGCCATTCTCTGCTCAGCCTCCCGAGTAGCTGGGACTACAGGCGCCGCCACCA	20848
Qy	758	CCTAGCTAAATTTTGTATTTTATTTAGTAGAGTGGG-GTTCAACCATGTTGCCAGGTTCA	816
Db	20849	CCCGGCTAAATTTTGTATTTTATTTAGTAGACGGGTTTTACCCTGTTAGCAGGAGGG	20908
Qy	817	TCCTGATCTCTGACCTTGTGATCTGCTCGGCTCCCGCCTCCCAAAGTGTGGGATTACAG	876
Db	20909	TCTCGATCTCTGACCTCTGATCTGCTCGCTCCCGCTCCCAAAGTGTGGGATTACAG	20968
Qy	877	GCCTGAGCCACACCGCGGCTTATTTTAAATTTTGTGTTGAAATGGAATCTCACT	936
Db	20969	GTGTGAGCCACCAACCGGCT-----ATTTTATTTTATTTTATTTTATTTTATTTTATTT	21020

[illegible]

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RESULT 13
US-11-112-908-41
; Sequence 41, Application US/11112908
; Publication No. US20050260659A1
; GENERAL INFORMATION:
; APPLICANT: Harris, Cole
; APPLICANT: Davis, Lisa M.
; TITLE OF INVENTION: Breast Cancer Biomarkers
; FILE REFERENCE: 04-164-US
; CURRENT APPLICATION NUMBER: US/11/112,908
; CURRENT FILING DATE: 2005-04-22
; PRIOR APPLICATION NUMBER: US 60/564,758
; PRIOR FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: US 60/575,978
; PRIOR FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/631,702
; PRIOR FILING DATE: 2004-11-30
; PRIOR APPLICATION NUMBER: US 60/633,826
; PRIOR FILING DATE: 2004-12-07
; NUMBER OF SEQ ID NOS: 511
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 41
; LENGTH: 177623
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-112-908-41

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Query Match	32.8%;	Score 473;	DB 12;	Length 177623;
Best Local Similarity	69.6%;	Pred. No. 0.15;		
Matches 878;	Conservative 0;	Mismatches 320;	Indels 63;	Gaps 15;
QY	1	TTTTTTTTTTCAGATGGAGTTTTTCGCTCTCTGTTGCCCCAGAGCTCGAGTGCAGTGCACAA	60	
Db	88344	TTTTTTTTTTCAGATAGAG-TTTTCACTCTGTTGCCCCAGCTGGAGTGCAGTGCAGTGCAG	88402	
QY	61	TCTCAGCTCAGCGCAACCTTCGCGCTCCCGGGTTCAAGCGATTCTCTGCTTCAGCCTCCC	120	
Db	88403	TCTTGCGCTCAGTGCACACCTCTCGCTCTCGGGTTCAAGTGATCTCTGCTTCAGCCTCCC	88462	
QY	121	CAGTAGCTGGGATTACAGGCATGTGCACCCAGCTTCGGCTAAATTTGTATTTTTTTTTTAG	180	
Db	88463	AAAGTAATCGGATTACAGGGAAGTCCACCACACCCAGCTAATTT--TGTATTTTTTAG	88519	
QY	181	TAGAGATGAGTTCTCCATGTGTCTAGGCTGGTCTCGAATCCCGACCTCAGATGATC	240	
Db	88520	TAGAGATGGGGTTTACCACATTTGCCCAGGCTGGTCTTGAATCTCTGACCTC--GTGATT	88577	
QY	241	CCTCGCTCTCGGCGCTCCCAAAGTGTAGATACAGGACTGGCCACCATCGCCGGCTCTCGCC	300	

RESULT 14

[illegible]

RESULT 14

[illegible]

QY 1 TTTT... 60
Db 49087 TTA... 49145
QY 61 TCTCAGCTC... 120
Db 49146 TCTCGGCTC... 49205
QY 121 CAGTAGCTGGAT... 180
Db 49206 GAGTAGCTGGAT... 49261
QY 181 TAGAGATGGAGTT... 240
Db 49262 TAGAGACGGGGT... 49321
QY 241 CCTCGCTCTCGGC... 300
Db 49322 TGACCGGCTCGGC... 49379
QY 301 TGGCTAATTTT... 360
Db 49380 TACATATTTAT... 49439
QY 361 TCAAGCAGTCCA... 420
Db 49440 TCAATGGCTACT... 49499
QY 421 CTGGCCTTTT... 480
Db 49500 GGAAGCTGGACT... 49559
QY 481 TGCAGTGGTGAT... 537
Db 49560 AGACAAGGTAT... 49619
QY 538 CTGCCTCAGCT... 597
Db 49620 CTGCCTCAACT... 49679
QY 598 TTA... 647
Db 49680 TATACTTTAT... 49739
QY 648 GCTGGAGTCAG... 707
Db 49740 GTTGGAGTCAG... 49799
QY 708 TTCTCTGCCAG... 767
Db 49800 TTCTGTGGCTC... 49859
QY 768 -TTTTTGTAT... 825
Db 49860 AGATTTTGTAT... 49919
QY 826 CTGGACCT -... 883
Db 49920 CCTGACCTCAG... 49979
QY 884 CCACACGGCC... 924
Db 49980 CTGTCTGTGCT... 50039
QY 925 TGGATCTCAGT... 984
Db 50040 TGAATCTTGCT... 50099
QY 985 CTCTGCCTCCG... 1043
Db 50100 CTCTGCCTCCA... 50159
QY 1044 GGGCACCTGCC... 1101

Db 50160 AGCGTGCAC... 50219
QY 1102 CATATTTG... 1161
Db 50220 TGGGTTGGT... 50279
QY 1162 CAAAGTCTG... 1204
Db 50280 CAAAGTCTG... 50322

Search completed: March 23, 2006, 21:58:02
Job time : 537.5 secs

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Copyright (c) 1993 - 2006 Bioceleration Ltd.
OM nucleic - nucleic search, using sw model
Run on: March 23, 2006, 21:30:58 ; Search time 529.5 Seconds
(without alignments)
6349.990 Million cell updates/sec

Title: US-09-380-203-1
Perfect score: 1442
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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 8023312 seqs, 1165852854 residues
Total number of hits satisfying chosen parameters: 16046624

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
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Database : Published Applications NA New:*

- 1: /cgn2_6/ptodata/1/pubpna/US08 NEW PUB.seq.*
- 2: /cgn2_6/ptodata/1/pubpna/US06 NEW PUB.seq.*
- 3: /cgn2_6/ptodata/1/pubpna/US07 NEW PUB.seq.*
- 4: /cgn2_6/ptodata/1/pubpna/PCT_NEW PUB.seq.*
- 5: /cgn2_6/ptodata/1/pubpna/US09 NEW PUB.seq.*
- 6: /cgn2_6/ptodata/1/pubpna/US09 NEW PUB.seq.*
- 7: /cgn2_6/ptodata/1/pubpna/US10 NEW PUB.seq.*
- 8: /cgn2_6/ptodata/1/pubpna/US10 NEW PUB.seq.*
- 9: /cgn2_6/ptodata/1/pubpna/US11 NEW PUB.seq.*
- 10: /cgn2_6/ptodata/1/pubpna/US11 NEW PUB.seq.*
- 11: /cgn2_6/ptodata/1/pubpna/US11 NEW PUB.seq.*
- 12: /cgn2_6/ptodata/1/pubpna/US11 NEW PUB.seq.*
- 13: /cgn2_6/ptodata/1/pubpna/US60_NEW PUB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	535.2	37.1	79528	8	US-10-276-233A-6
C 2	521	36.1	168656	12	US-11-112-908-59
C 3	521	36.1	170285	12	US-11-112-908-58
C 4	511.4	35.5	60729	7	US-10-330-773-841
C 5	501.6	34.8	199321	12	US-11-121-086-10
C 6	486.8	33.8	191684	12	US-11-121-086-2
C 1	535.2	37.1	79528	8	Sequence 6, Appli
C 2	521	36.1	168656	12	Sequence 59, Appl
C 3	521	36.1	170285	12	Sequence 58, Appl
C 4	511.4	35.5	60729	7	Sequence 841, App
C 5	501.6	34.8	199321	12	Sequence 10, Appl
C 6	486.8	33.8	191684	12	Sequence 2, Appli

Db 74376 GCATGGCGTATGTTGGTTCTACTGCAACCTCTGCTCCAGGTTCAAGCGATTCTCTCTG 74435
 Qy 716 CCCAGCCTCTGAGTAGCTGGACTACAGAGCGCCACCA-CGCTAGCTAATTTTTTTG 774
 Db 74436 CTTATCTCTCTGAGTAGCTGGACTACCGGATGCGCCACACGCGCTGTCTGATTTTTG 74495
 Qy 775 TATTTTATAGTAGAGTGG-GGTTACCATGTTGCGCAGGTTGATCTTGGACCT 833
 Db 74496 TATTTTTAGTAAGACGGTATTTTACCATGTTGGCCAGGCTGGTCTCAACTCTTGACCT 74555
 Qy 834 TGTGATCTGCTGCTCGGCTCCCAAGTGTCTGGGATTACAGGCGTGAGCCACACGCC 893
 Db 74556 CGTATCAGCCACCTCGGCTCCCAAGTGTAGGATTACAGGCGGAGTCAACGCGCT 74615
 Qy 894 CGGC-----TTATTTTAAATTTTTTGTGTT 919
 Db 74616 CGGCCGGATCATTTATTTTAACTCATCTTTCCAGTTTATTTGTTGTTGTT 74675
 Qy 920 TGAATGNACTCACTCTGTACCCAGGCTGGAGTGAATGGCCAAATCTCGGCTCACT 979
 Db 74676 TGAGACGGAGTCTTGCTCTGTCCACCAAGGCTGGAGTGAGTG----CGATCTCAGCTCACT 74732
 Qy 980 GCAACCTCTGCTCCCGGCTCAAGCGATTCTCTGTCTCAGCCTTCCCAAGCAGCTGGGA 1039
 Db 74733 GCAGCTCTGCTCCAGGTTCAAGTATCTCTGCTCAGCCTCCCAAGTAGCTGGGA 74792
 Qy 1040 TTACGGCAGCTGCCACACACCCCGCTAA-----TTTTTGTATTTTCAATTAGAGCGGG 1095
 Db 74793 CTACAGGCGTGTACTGCGCACACCCAGCTAAATTTTTTTTGTATTTTGTAGAGATGGG 74852
 Qy 1096 TTTTACCATATTTGTACGGTGGTCTCAACTCTGACTCAGTGAGCCACCTGCCCTCA 1155
 Db 74853 TTTTACCATATTTGTGCGCAGGCTGGTCTCTAACTCTGACTCAGATGATCCGCGCACCTCG 74912
 Qy 1156 GCTTCCAAAGTGTGGGATTACAGCGGTGAGCCACCTCACCCAGCG 1203
 Db 74913 GCTTCCAAAGTGTGGGATTACAGGATGAGCTTCCAGGCTGCGTG 74960

RESULT 6

US-11-121-086-2/c
 ; Sequence 2, Application US/11121086
 ; Publication No. US200502664591
 ; GENERAL INFORMATION:
 ; APPLICANT: POULSEN, TIM S.
 ; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
 ; FILE REFERENCE: 09138.6000-00000
 ; CURRENT APPLICATION NUMBER: US/11/121,086
 ; PRIOR FILING DATE: 2005-05-04
 ; PRIOR APPLICATION NUMBER: 60/567,570
 ; PRIOR FILING DATE: 2004-05-04
 ; NUMBER OF SEQ ID NOS: 107
 ; SOFTWARE: PatentIn version 3.3
 ; SEQ ID NO 2
 ; LENGTH: 191684
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-11-121-086-2

Query Match 33.8%; Score 486.8; DB 12; Length 191684;
 Best Local Similarity 67.5%; Pred. No. 0.099;
 Matches 826; Conservative 0; Mismatches 372; Indels 26; Gaps 9;
 Qy 1 TTTTATTTTTCAGATGGAGTTTTCGCTCTGTGTGCCCCAGGCTGGAGTGCATGGCGCAA 60
 Db 70067 TTTGTTTGTGTTTGACACAGATCTCACTCTGTACCCAGGCTGGAGTGCATGGCACA 70008
 Qy 61 TCTCAGCTCAGCGCAACCTCCGCGTCCCGGGTTCAAGCGATTCTCTGCTCAGCTGCC 120
 Db 70007 TCTCGGCTCAGTGCAGCTCCGCGTCCCGGGTTCAAGTGAATCTCTTGTGCTCCAGCTCCC 69948

Qy 121 CAGTAGCTGGGATTTACAGGCATGTGCACCAGCTCGGTAAATTTTGTATTTTTTTTAG 180
 Db 69847 AAGTAGCTGGGATTTACAGGCGTGTACCATCAGCGCTGGCTAATTTT---TGTATTTTTAG 69891
 Qy 181 TAGAGATGGAGTTTCTCCATGTTGGTCAAGCTGTGTCTGAACTCCCGACCTCAGATGATC 240
 Db 69890 CAGAGACAGGTTTCCACATGTTGGCCAGGCTGTCTCGAACTCCTGACCTCAGGTGACC 69831
 Qy 241 CTTCCGCTCGGCTCCCAAAAGTGTAG--ATACAGAGCTGGGCCACCATGCCCCGGCTCTG 298
 Db 69830 TGTCTACTTTGGGCTCCCAAGTGTCTGGATTACAGCGTGTGAGCCACCGTCCCGGCACAC 69771
 Qy 299 CTTGGCTAAATTTTGTGTAGAAACAGGTTTCACTGATGTGCCAAAGCTGTCTCTGA 358
 Db 69770 TCAGAGCTTTCAAGCAAGGCGGCACTGC-ACATGGAACCTCTCTTCTGGGAGAGTTG 69712
 Qy 359 GCTCAAGCAGTCCACCTGCTCAGCCTCCAAAGTGTCTGGATTACAGGCGTGTGAGCGGT 418
 Db 69711 AGTGAACAAGACCTTGAACCCAGAGAAGATCCGATTGTGGAGCTGTGGGCTCTGGTCCA 69652
 Qy 419 GCCTGGCTTTTATTTTATTTTATTTTAAAG----CACAGTGTCCCACTCTTACCCAGG 474
 Db 69651 GACTCTGAGCGGTATCTCTGAAGGACTAGAGGAGCCCCAGGCGAGTGTCTATTCCTGCG 69592
 Qy 475 ATGAAGTGCAGTGTGTGATCACAGCTCACTGCAAGCTTCAACTCTCTGAGATCAAGCATC 534
 Db 69591 TGTAGGGAACCTGCTGGGAAGCAGGTGCTTGGAGAAGGATGAGTCCCATCAATA 69532
 Qy 535 CTCTGCTCAGCCTCCCAAGTGTCTGGACCAAGACATGCAACATPACACCTTGGCTTAA 594
 Db 69531 CTTGGCATTTGAGAGGAGCTTTACAGAAACCCCTTAGTAAGTATATATTTGTTTCTGT 69472
 Qy 595 TTTTATTTTATTTTAAATTTTGTGACAGAGTCTCAACTCTGTCAACCGAGCTGGAG 654
 Db 69471 TTTATTTTATTTATTTTACCTTTTGACACAGAGTCTC-ACTCTGTGCCAGGCTGTGCG 69413
 Qy 655 TGCACTGGCGCAATCTTTGGCTCACTGCAACTCTGCTCCCGGTTCAAGTTATTTCTCTCT 714
 Db 69412 TGCACTGGCGATCTTTGGCTCACTGCAACTCTGCTCCCGGTTCAAGTTATTTCTCTCT 69353
 Qy 715 GCCCCAGCCTCTCAGTAGCTGGGACTACAGGCGC---CCACACGCTAGCTAATTTTT 771
 Db 69352 GCCTCAGCCCTCTAGTGGCTGAGATTACAGACACCTGCCACCATGCTGGCTGAATTTTT 69293
 Qy 772 TTGTATTTTATAGTAGAGTGGGTTTCACTGTTGCCAGGTTGATCTTGTATCTCTGAC 831
 Db 69292 ATATTTTATAGTAGAGACA-GGGTTTTCATGTTGGCCAGGCTGGTCTCGAACTCTTGAC 69234
 Qy 832 CTTGTGATCTGCTGCTCGGCTCCCAAGTGTCTGGGATTACAGGCGTGTGAGCCACCG 891
 Db 69233 CTCTGATCTGCCCATCTCAGCCTCCCAAGTGTGGGATTACAGGCAATGAGCAATCGCA 69174
 Qy 892 CCCGCGC-----TTATTTTAAATTTTGTGTTTGTGAAATGGAATCTCACTC-TGT 940
 Db 69173 CCCAGCGTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTT 69114
 Qy 941 TACCCAGGCTGGAGTGCATGGCCAAATCTCGGCTCACTGCAACTCTGCTCCCGGCT 1000
 Db 69113 TGCCAGGCTGGAGTGCATAGTGTGATCTCGGCTCACTGCAACCTCGTCTCTCGGGTT 69054
 Qy 1001 CAAGCGATTCTCTGCTCAGCCTCCCAAGCAGCTGGGATTACGGGCACTGCCACCAACA 1060
 Db 69053 CAAGGATTTCTCTGCTCAGCCTCCCAAGTGTGGGATTACAGGCGCTGTCTACACG 68994
 Qy 1061 CCCGCTAATTTTGTATTTTCAATTAGAGCGGGGTTTCACATATTTTGTAGGCTGTGTC 1120
 Db 68993 CCCAGCTACTTTTATATTTTATAGTAGAGCGGGTTTTCACGCTGTGGCCAGGCTAGTA 68934
 Qy 1121 TCAAACTCTCAGCTCAGCTGACCCACCTGCTCAGCCTTCCAAAGTCTCTGGATTACAG 1180
 Db 68933 TCAAACTCTCAGCTCAAGTGTATGCTGCCGCTTCCAAAGTCTCTGAGATTATAG 68874
 Qy 1181 GGTGAGCCAGCTCACCCAGCGG 1204

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Db 69873 GCCTGAGCCACCGTGCCCGACCTG 68850
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RESULT 7
US-10-330-773-698
; Sequence 698, Application US/10330773
; Publication No. US20060040262A1
; GENERAL INFORMATION:
; APPLICANT: David W. Morris
; APPLICANT: Marc Malandro
; TITLE OF INVENTION: Novel Compositions and Methods in Cancer
; FILE REFERENCE: 529452001300
; CURRENT APPLICATION NUMBER: US/10/330,773
; CURRENT FILING DATE: 2002-12-27
; NUMBER OF SEQ ID NOS: 981
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 698
; LENGTH: 178024
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(178024)
; OTHER INFORMATION: n = A,T,C or G
US-10-330-773-698

Query Match 33.3%; Score 480.6; DB 7; Length 178024;
Best Local Similarity 69.6%; Pred. No. 0.12;
Matches 861; Conservative 0; Mismatches 314; Indels 62; Gaps 13;

QY 1 TTTTCTTTTGTGATGGAGTTTCGCTCTTGTGCGCCAGGCTGGAGTGCATGGCGCAA 60
Db 123012 TTTCTTTTGTGAGAGATAGTCTGGCTCAGTCGCCCGAGGCTGGAGTGGTGC 123071

QY 61 TCTCAGCTCACCACCACTCCGCTCCCGGTTTCAAGCGATCTCTCGCTCAGCTCCC 120
Db 123072 TCTCGCTCGTGCACACTCCGCTCTCGGTTTCAAGCGATCTCTCGCTCGGCTCCC 123131

QY 121 CAGTAGCTGGATTCAGGATGTGCAACCCAGCTCGGCTAAATTTTGTATTTTGTAG 180
Db 123132 AAGTAGCTGGATTCAGGATGTGCAACCCAGCTCGGCTAAATTTTGTATTTTGTAG 123188

QY 181 TAGAGTAGAGTTTCCATGTTGTCAGCTGGTCTGCAACTCCGACCTCAGATGATC 240
Db 123189 TAGAGACGGGTTTACACATGTTGGCCAGGATGGTCTCAATCTTTGACCTC--GTCA 123246

QY 241 CCTCGCTCTCGGCTCCCAAGTGCTAG--ATACAGAGCTGGCCACCATGCCGCTCTG 298
Db 123247 CACCGCTCAGCTCCCAAGTGCTAG--ATACAGAGCTGGCCACCATGCCGCTCTG 123306

QY 299 CTGGCTAAATTTTGTGTAGAAACAGGTTTCACTGATGTGCCAAGCTGGTCTCTGA 358
Db 123307 TTTCTGTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 123351

QY 359 GCTCAGAGCTCAGCTGCTCAGCTCCCAAGTGTGGATTCAGGCTGGAGCGCT 418
Db 123352 CTCTTCTGTGTCTGATTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 123409

QY 419 GCCTGGCTCTTTTATTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTT 478
Db 123410 TTGTTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 123469

QY 479 AGTCAGTGGTGTGATCAGCTCAGCTCAGCTCAGCTCAGCTCAGCTCAGCTCAGCTC 537
Db 123470 AGTCAGTGGGCGAGTCAGCTCAGCTCAGCTCAGCTCAGCTCAGCTCAGCTCAG 123529

QY 538 CTGCTCAGCTCCCAAGTAGTGGGACCAAGATGATGATGATGATGATGATGATGAT 597
Db 123530 CCACCTCAGCTCTCCCAAGTAGTGGGACCAAGATGATGATGATGATGATGATGAT 123589

QY 598 TTTATTTTAT-----TTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 639
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Db 123590 ATTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTT 123648
QY 640 TCACCCAGGCTGGAGTGCAGTGGCGCAATCTTTGGCTCACTGCAACCTCTGCTCCCGGT 699
Db 123649 TCGCCAGGCTGGAGTGCAGTGGCGGATCTGGCTCATTTGAGTCTCGCTCCCGGT 123708
QY 700 TCAAGTTATTTCTTGTGCCCGGCTTGTGATGTGAGTGTGAGTGTGAGTGTGAGTGT 759
Db 123709 TCACGCCATTTCTGTGCTTCCGCTCAGCTCCCGAGTGTGGGACTACAGGCAAC 123768
QY 760 TAGC-----TAATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTAT 813
Db 123769 ACCCGCTAAATTTTGTATTTTATTTTATTTTATTTTATTTTATTTTATTTTAT 123828
QY 814 TGATCTTGATCTCTGGACCTTGTGATCTGCTCGCTCCGCTCCCAAGTGTGAGTGT 873
Db 123829 TGGTCTTGATCTCTGATCTTGTGATCTGCTCGCTCCGCTCCCAAGTGTGAGTGT 123888
QY 874 CAGGCTGAGCCACCAAGCGCGCTTGTGATCTTGTGATCTTGTGATCTTGTGATCTT 930
Db 123889 CAGGCTGAGCCACCAAGCGCGCTTGTGATCTTGTGATCTTGTGATCTTGTGATCTT 123948
QY 931 CTCACCTCTGTACCCAGGCTGGAGTGCATGG--CCAAATCTCGCTCACTGCAACCTCT 989
Db 123949 CTCGTTCTGTGCGCAGGCTGGATGCGATGTGATGTGATGTGATGTGATGTGAT 124008
QY 990 CTTCCCGGCTCAAGCGATTTCTCTGTCTCAGCTCCCAAGCAGCTGGGATTTACGGGCA 1049
Db 124009 CTTCCCGGCTCAAGCGATTTCTCTGTCTCAGCTCCCAAGCAGCTGGGATTTACGG 124068
QY 1050 CTGCCACCAACCCCGCTAAATTTTGTATTTTATTTATTTATTTATTTATTTATTT 1109
Db 124069 ATACCACCATGCCAGCTAAATTTTGTATTTTGTATTTTGTATTTTGTATTTTGT 124120
QY 1110 TCAGGCTGTCTCAAACTCTGACCTCAGCTCAGCTGACCCAGCTGCTCAGCTTCCA 1169
Db 124121 CAGGCTGTCTCAGTTTCTGCTGGCTCAAGCAATCTGCCACCCAGCTTCCCATAG 124180
QY 1170 TGGATTTACAGGCTGAGCCACCTCACCAGCGGCT 1206
Db 124181 TGGATTTACAGGCTGAGCTTACCACCCAGCGGCT 124217

RESULT 8
US-10-330-773-741/C
; Sequence 741, Application US/10330773
; Publication No. US20060040262A1
; GENERAL INFORMATION:
; APPLICANT: David W. Morris
; APPLICANT: Marc Malandro
; TITLE OF INVENTION: Novel Compositions and Methods in Cancer
; FILE REFERENCE: 529452001300
; CURRENT APPLICATION NUMBER: US/10/330,773
; CURRENT FILING DATE: 2002-12-27
; NUMBER OF SEQ ID NOS: 981
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 741
; LENGTH: 79544
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-330-773-741

Query Match 33.1%; Score 477.6; DB 7; Length 79544;
Best Local Similarity 69.0%; Pred. No. 0.26;
Matches 952; Conservative 0; Mismatches 259; Indels 169; Gaps 15;

QY 1 TTTTCTTTTGTGATGGAGTTTTCGCTCTTGTGTTGCCAGGCTGGAGTGCATTTGCGCAA 60
Db 30949 TTTAAATTTTGTGAGACAGATTTT-GCTCTTGTGTTGCCAGGCTGGAGTGCATTTG 30891

QY 61 TCTCAGCTCAGCCCAACTCCGCTCCCGGTTTCAAGGATTTCTCTGCTCAGCTCAGCTCC 120
Db 30890 TCTTGGCTCACTGCAACCTCCACCTCTCTGGGTTTCAAGTGTATTTCTCTGCTCAG 30831

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Qy 121 CAGTAGCTGGGATTTACAGGCATGTGCACCCAGCTCGGCTAAATTTTGTATTTTTTTTAG 180
Db 30830 AGGTAGCTGGGATCACAGGCATGAGCCACCATGCCCGGCTAAATTTTGTATTTT---TAG 30775
Qy 181 TAGAGATGGAGTTTCTCCATGTTGGTCAGGCTGGTCTCGAACTCCCGACCTCAGATGATC 240
Db 30774 TAGAGATGGGTTTTACAGGTTGGTCAGGCTGGTCTCGAACTCATTTACCTCAGGTGATC 30715
Qy 241 CCTCGCTCTCGGCTCTCCAAAGTGTAGATACAGGACTGGCCACCATGCCCGGCTCTGCC 300
Db 30714 AC-CGCGCTTGGTGTCCCAATGTGCTGGATTACAGATGTGAGCCACTGCTCTCGGCTAA 30656
Qy 301 TGGCTAAATTTTGGTGTAGAAACAGGGTTTCACTGATGTGCCCAAGCTGGT-----CTC 354
Db 30655 TTTTTTGTATTTTAGTAGAGACGGGGTTGCATCATGTTGGCCAGGCTGGTCTCGAACTC 30596
Qy 355 CTGAGCTCAAGCAGTCCACCTGCTCAGCCTCCCAAGTGTGGGATTTACAGGCGT--GC 412
Db 30595 CTGACCTCAGGTGATCCACCTGCTTTGGCCTCCCAAAATGCTGGGATTTACAGGTGTGAGC 30536
Qy 413 AGCGTGCCTGGCCT-----TTTTTATTTTATTTTAAAGCACAGGTTGCC 461
Db 30535 CACCATGCTGGCTAAACTTGGTGTGTTT-----TTTTTTTGGAGCAAGAGTCTCAC 30476
Qy 462 ACTCTTACCCAGGATGAAGTGAGTGGTGTGATACAGCTCAGCTCAGCAGCTTCAACTCT 521
Db 30475 TCTGTGCCAGGCTGGGCTGAGTGGTGTGCAATCTCGGCTCAGCTGCAACCTCCGCCTCT 30416
Qy 522 GAGATCAAG-CATCTCTGCTCAGCTCAGCCTCCCAAGTAGCTGGACCAAGACATGCACCA 580
Db 30415 GGGTTCAAGTGAATCTCTGCTCAGCTCCGAGTAGCTGAGATACAGTCAATGCACCA 30356
Qy 581 CTACACCTGGCTAAATTTTATTTTT----- 605
Db 30355 CCACACCCGGCTAAATTTTATTTTCAGTAGAGTGGGTTTCACTGTGTGGCCAGGC 30296
Qy 606 ----- 605
Db 30295 TGGTCTGGAACCTCTGTATCTCAGGTGATTCGCTGTCTGGCTCTCCAAAGTGTGGAT 30236
Qy 606 -----ATTTTAAATTTTGTAGACAGAGT 629
Db 30235 TATAGGCATGAGCACTGAGCCAGCCCTGAACCTTGT-----TTTTTTTGTAGACAG 30176
Qy 630 CTCAACTCTGTCAACCCAGGCTGGAGTGAGTGGCGCAATCTTGGCTCACTGCAACCTCTG 689
Db 30175 TATTGCTCTGTCAACCCAGGCTGGAGTGAGTGGTGGATCTTGGCTCATTTGCAACCTCTG 30116
Qy 690 CCTCCGGGTTCAAGTTATTCCTCTGCCAGCCTCCTGAGTAGCTGGGACTACAGGCGC 749
Db 30115 COTCCAGGTTCAAGCGATTCCTCTGCCTCAGCCTCCCAAGTAGCGGAGCTATAGGCC 30056
Qy 750 CCACACGCTAGCTAAATTTTGTATTTTGTAGATAGGAGTGGG-TTCACCATGTTTCG 807
Db 30055 AGCCACACACACTGCTGCTAAATTTTGTATTTTGTAGAGACGGGTTTCGCCATATTGG 29996
Qy 808 CCAGGTTGATCTCTGACCTT--GTGATCTGCTGCTCGGCTCCGCTCCCAAAGTGC 865
Db 29995 TCAGGCTGTATCGAACTCTGACCTTAGTTGATCCACTCGGCTTGGCTCCCAAAGTGC 29936
Qy 866 TGGGATTACAGGCTGAGCCACAGCCCGG--CTTATTTTAAATTTTGTGTTTGA 923
Db 29935 TGGGATTACAGGCATGAGCCACTGCACCCGGCCTAAACCTTTTTTTTTTTTTTTTGG 29876
Qy 924 ATGGAACTCTCACTCTGTATACCAAGCTGGAGTGAATGCGCAAACTCTCGGCTCACTGCAA 983
Db 29875 ACGGAGTCTCTCCCTGTCACTTAGGCTGGAGTGCAGTGGCGGAGTCTAGCTCACTGCNA 29816
Qy 984 CTTCTGCTCTCCGGGCTCAAGCGATTTCTCTGTCTCAGCCTCCCAAGCAGCTGGGATTAC 1043
Db 29815 CCTATGCTCTCCAGGTTCAAGCGATTTCTTCTGCTCAGCCTCTCTGAGTAGCTGGGATTAC 29756
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Qy 1044 GGCACCTGCCACACACCCCGCTAAATTTTGTATTTTATTAGAGCGGGTTT-CACC 1102
Db 29755 AGG---CGTGACACACACCCGGCTAAATTTTGTATTTTATGACAGAGCGGGTTTCCACC 29699
Qy 1103 ATATTTTCTAGGCTGGTCTCAAACTCTCTGACCTCAGGTGACCCACCTGCTCAGCCTTCC 1162
Db 29698 ACCTTAGCCAGGCTGGTCTTGAATCCCGACCT--GATGATCCACCCACCTCGGCTCTCC 29641
Qy 1163 AAAGTCTGGGATTACAGGCTGAGCCACCTCACCAGCGGGCTAAATTTAGATAAAAAA 1222
Db 29640 AAAGTCTGAGATTACAGGCATGAGCCACCGCGCCAGCCTGAACCTTGGTTTTTAAAGA 29581

RESULT 9
US-11-121-086-98
; Sequence 98, Application US/11121086
; Publication No. US20050266459A1
; GENERAL INFORMATION:
; APPLICANT: POULSEN, TIM S.
; APPLICANT: NIELSEN, KIRSTEN V.
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 09138.6000-00000
; CURRENT APPLICATION NUMBER: US/11/121.086
; CURRENT FILING DATE: 2005-05-04
; PRIOR APPLICATION NUMBER: 60/567,570
; PRIOR FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 98
; LENGTH: 171732
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-121-086-98

Query Match 33.1%; Score 477.6; DB 12; Length 171732;
Best Local Similarity 66.3%; Pred. No. 0.14;
Matches 862; Conservative 0; Mismatches 384; Indels 54; Gaps 10;

Qy 1 TTTT-----TTTGTAGATGGAGTTTTCGCTCTGTGTGTCACAGGCTGGAGTGCATGGCGAA 60
Db 89572 TTTT-----TTTGTAGATGGAG--TTTAAATTTCTTTGTTGCCCTAGGCTGAGTTCAATGGCGGA 89630
Qy 61 TCTCAGCTCACCGCAACTCCGCTCCCGGTTTCAAGCGATTCTCTGCTCCTCAGC--TCC 119
Db 89631 TCTCGCTCACTGCAACTCCACCTCCAGGTTTCAAGCGATTCTCTGCTCAGCCTTCC 89690
Qy 120 CCAGTAGCTGGATTACAGGCATGTGCACCCACCGCTCGGCTAAATTTGTATTTTTTTTA 179
Db 89691 TGAGTAGCTGGATTACAGGCATGTGCCACCCAGGCATGGCTAAATTTTGTGTA----CTTTTA 89746
Qy 180 GTAGAGATGGAGTTTCTCCATGTTGGTCAAGCTGGTCTCGAACTCCCGACCTCAGATGAT 239
Db 89747 GTAGAGACGGGGTTTCTCCATGTTGGTCAAGCTGGTCTTGAACCTCCCGACCTCAGATGAT 89806
Qy 240 CCCTCCGCTCTCGGCTCCCAAAGTGTAGATACAGGACTGGCCACCATGCGCGCTCTGC 299
Db 89807 CTGCTGCTCGGCTCCAGCCTCCAGCGCTGGGATTACAGGCATGAGCCACCGCACTCGGCACT 89866
Qy 300 CTGGCTAAATTTTGTGTAGAAACAGGTTTTCATGATGTGCCCAAGCTGCTCCTGAG 359
Db 89867 TTTTCTTATTGTACAGCTCATTTAGTGTTTAGCATTTGTTAGTGTCTCTACTAAGACGCTT 89926
Qy 360 CTCAGAGAGTCCACTGCTGAGCTCCAAAGTGTGGGATTACAGGCGGTGACGCGCTG 419
Db 89927 CTTTTCCTTAGTGTCTGTAATACAGATTCAGATTGTTCTTCTCTACTCAAAATATTAAT 89986
Qy 420 CTGCGCTTTTATTTTATTTTAAAGACACAGGTTGCTCCACTCTTTACCCAGGATGAA 479
Db 89987 GTTGGACTTTTTCAGGTTTGTATTTCTAGTATTTGCTTTCTCTGAGTTGACATACACA 90046
Qy 480 GTGCAGTGGTGTGATACAGGCTCACTGAGCGCTTCAACTCTCTGAGATCAAGCATCCTCT 539
Db 90047 TT-----TTCTGGACATCTCTCATCTATCTATCTTCTATGACTTTAAATTTCC 90088
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QY 540 GCCTCAGCCTCCCAAGTAGCTGGGACCAAGACATGCACCACTACACCTGGCTAAATTTT 599
 Db |||||
 QY 90089 CCCTTTTGTCTTACTTCT-----TTTCTTTTCTTTTCTTTT 90127
 Db |||||
 QY 600 ATTTTATTTTAAATTTTGTGACAGAGTCTCAACTGTCTACCCAGGCTGGAGTGCAG 659
 Db |||||
 QY 90128 TTTTATTTTGTGAGAGGAGTTTGTCTTTTGTCTTTTATCAGAGCTGGAGTGCAG 90187
 Db |||||
 QY 660 TGGCGCAATCTTGGCTCAGTGCACCTCTGCCCTCCCGGTTCAAGTATTTCTCTGCCCC 719
 Db |||||
 QY 90188 TGGCGGAGTCTCAGATCACTGCAATCTCCGCTCCCAAGTTCAGCAATTTCTCTGCCCTC 90247
 Db |||||
 QY 720 AGCTCCTGAGTGTGGAGTACAGGCGCCACAGCGCTAGCTAATTTTGTATTT 779
 Db |||||
 QY 90248 AGCTCCTGAGTGTGGAGTACAGGCGCCACAGCGCTAATTTTGTATTT 90307
 Db |||||
 QY 780 TTAGTAGAGATGGGTTTACCACATGTTGGCAGAGTCTGTGATCTCTGACCT--TGTG 837
 Db |||||
 QY 90308 TAGTAGAGACAGGTTTACCAATGTTGGCAGGCTGGTCTCAAACTTCTGACCTCAAGTG 90367
 Db |||||
 QY 838 ATCTGCTGCTGGGCTCCCAAGTGTGGGATTAACAGGCGTGGAGCCACCGCCGCGC 897
 Db |||||
 QY 90368 ATCTGCCACCTTGGGCTCCCAAAATGCTGACATTACAGGCGTGGAGCCATGCACTTGT 90427
 Db |||||
 QY 898 TTATTTT--TTAATTTTGTGTTGAATGGAATCTCACTC-TGTTACCCAGGCTGGAG 954
 Db |||||
 QY 90428 TTTTATTTTGTGTTTGTGAGCGGAGTTTGTCTCTGTTTACCCAGGCTGGAG 90487
 Db |||||
 QY 955 TGCMAATGGGCAATCTCGGCTCACTGCAACCTCTGCTCCCGGCTCAAGCGATTTCTCT 1014
 Db |||||
 QY 90488 TGCAGTGGCAGATCTCAGATCTGCTGCAACCTCTGCCCCCAGGTTCAAGAGATTTCTCT 90547
 Db |||||
 QY 1015 GTCTCAGCTCCCAAGCAGCTGGGATTAAGGCGACCTGCAACCAACCCCGCTAA--TTTT 1073
 Db |||||
 QY 90548 GCCTCAACTTCTGAGTAGCTGGGATTAACAGTGTCTGCCACTACACCCAGCTAATTTT 90607
 Db |||||
 QY 1074 TGTATTTTCAATAGAGGGGGTTTCAACATATTTGTGAGGCTGTCTCAAACTCCTGAC 1133
 Db |||||
 QY 90608 TGTATTTTGTAGAGAGGGGTTTCAATCATGTTGGCCAGACTGGGCTCGAACTCCAGAC 90667
 Db |||||
 QY 1134 CTCAGTGCACCACTGCTCAGCCTTCCAAAGTGTGGGATTAACAGGCGTGGAGCCACT 1193
 Db |||||
 QY 90668 CTCAGTGTATCCACCGCTCGGCTTCCGAAAGTGTGGGATTAACAGGCGTGGAGCCAG 90727
 Db |||||
 QY 1194 CACCAGCGGCTAAATTT--AGATAAAAAAATATGTAGCAATGGGGGCTTTGTCTATGT 1250
 Db |||||
 QY 90728 TGCCCAGACTTTTATTTTAAAAAATAAAAAAATAAAAAAGATGAGGCTCACTATGT 90787
 Db |||||
 QY 1251 TGCCAGGCTGTCTCAAACTTCTGGCTTCATGCAATCCT 1290
 Db |||||
 QY 90788 TGCTCAGGCTGTCTCAAACTCTAGGCTCAAGTGTATCT 90827
 Db |||||

RESULT 10
 US-11-121-086-58/c
 ; Sequence 58, Application US/11121086
 ; Publication No. US20050266459A1
 ; GENERAL INFORMATION:
 ; APPLICANT: POULSEN, TIM S.
 ; APPLICANT: NIELSEN, KRISTEN V.
 ; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
 ; FILE REFERENCE: 09138.6000-00000
 ; CURRENT APPLICATION NUMBER: US/11/121,086
 ; PRIOR FILING DATE: 2005-05-04
 ; PRIOR APPLICATION NUMBER: 60/567,570
 ; PRIOR FILING DATE: 2004-05-04
 ; NUMBER OF SEQ ID NOS: 107
 ; SOFTWARE: PatentIn version 3.3
 ; SEQ ID NO 58
 ; LENGTH: 180654
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens

US-11-121-086-58

Query Match 32.9%; Score 474.8; DB 12; Length 180654;
 Best Local Similarity 68.0%; Pred. No. 0.14;
 Matches 838; Conservative 0; Mismatches 327; Indels 67; Gaps 10;
 QY 1 TTTTATTTTGTGAGATGGAGTTTTCGCTCTTGTGCTCCAGGCTGAGTGCAGTGCAG 60
 Db 141336 TATTTTATTTGAGATGGAGTTT--GCTCTTGTGCCAGGCTGGAGTGCAGTGCAG 141278
 QY 61 TCTCAGCTCACCGCAACCTCCGCTCCCGGTTCAAGCGATTTCTCTGCTCAGCTCCTCC 120
 Db 141277 TCTTGCTCACCAACACCTCCACCTCCCGGTTCAAGCAATTTCTCTGCTCAGCTCCTCC 141218
 QY 121 CAGTAGCTGGGATTAACAGGCTGTCACCCAGCTCGGCTAATTTTGTATTTTATTTAG 180
 Db 141217 GAGTAGCTGGGATTCAGGCTATATGCCACAGCTCTGCTAATTT--TTTGTATTTTAT 141160
 QY 181 TAGAGATGGAGTTTTCATGTTTGTGCTAGGCTGTCTCGAACTCCGACCTCAGATGATC 240
 Db 141159 TAGAGATGGGTTTCTCCATGTTGCTCAGGCTGGTCTCAAACTCCGACCTCAGGTGAT 141100
 QY 241 CCTCGCTCTCGGCTCCCAAGTGTAGATACAGACTGGCCACCATGCCCGGCTCTGCC 300
 Db 141099 CGCCACCTCAGCTCCCAAGTGTGGATTTATAGGTGTGAGCCA-CTGTGCTCTGCC 141041
 QY 301 TGGCTAAATTTTGTGTAGAAACAGGGTTTCACTGATGTGCCCAAGCTGGTCTCTGAGC 360
 Db 141040 TTGAACATTTTCTAATCTGAACTGAAATAGTGGGGGAAAAAAGATTGAAACAAGT 140981
 QY 361 TCAAGCAGTCCACCTGCTCAGCTCCCAAGTGTGGGATTTACAGGCGTGCAGCGTGC 420
 Db 140980 AGTAGAGTAATACCATTC-----ATGTTAAATGAATAGCACTCC 140942
 QY 421 CTGCGCTTTTATTTTATTTTATTTTAAACACAGGTGTCCCACTCT-TACCCAGATGAA 479
 Db 140941 ATAAACACTCTCTGTATTTTACGTGATGATGCTCTCTCTATATAGAAAGGCCCAA 140882
 QY 480 GTGAGTGTGTGATCAGAGCTCACTGAGCTTCAACTCTCTGAGATCAAGCATCTCTCT 539
 Db 140881 CAGTAACCCACCTACTGATACAAAGATGATTACTTCTGGAGAGAGGATTCAGAT 140822
 QY 540 GCCTCAGCTCCCAAGTAGCTGGGACCAAGACATGCACCACTACACTGCTGCTAATTTT 599
 Db 140821 TATGGAGGTGGGACTT-----CAGTCTCT 140796
 QY 600 ATTTTATTTTAAATTTTGTGAGACAGAGTCTCACTCTGTCAAGGCTGGAGTGCAG 659
 Db 140795 GTGTAAGGTTTACTTTTTTGTGAGATGGACTCT-TGCTCTGTGCCCGCCAGGCTCCAG 140737
 QY 660 TGGCGCAATCTTGGCTCACTGCAACCTCTGCTCCCGGTTCAAGTATTTCTCTGCCCC 719
 Db 140736 TGGTGGGATCTCAGCTCACTGCAAGCTCCGCTCTGGGTTCAAGCAATTTCTTCTGCTC 140677
 QY 720 AGCTCCTGAGTAGCTGGGACTACAGGCGC---CCACCAAGCTAGCTAATTTTGTGTA 776
 Db 140676 AGCTCCTGAGTAGCTGGGACTACAGGCGCTGCCACCATGCTGCCAGCTAATTTTGTAT 140617
 QY 777 TTTTATGAGATGGGTTTCAACATGTTGCCAGGTTGATCTTGATCTCTGAGCTTGT 836
 Db 140616 TTTAATAGAGACA-GGGTTTCAACGTTATGTTGCTCAGGCTGGTCTTGAACCTCTGACCTTGT 140558
 QY 837 GATCTGCTGCTCGGCTCCCAAGTGTGGGATTAACAGGCGTGGAGCCACAGCCCGG 896
 Db 140557 GATCCACCGCTCAGCTCCCAAGTGTGGGATTAACAGGTTGAACCACTGTGCTGG 140498
 QY 897 CTTATTTTAAATTTTGTGTTTGAATGGAATCTCACTCTGTTTACCCAGGCTGGAGTG 956
 Db 140497 CCTAAATTTT--TTTTATTTTGTGAGACAGAGTTTGTCTCTGTTGCTCAGGCTGGAGTG 140440
 QY 957 CAATGGCCAAATCTCGGCTCACTGCAACCTCTGCTCCCGGCTCAAGCGATTTCTCTGT 1016
 Db 140439 CAGTGGCATGATCTCGGCTCACTGCAACCTCTGCTCCCGGTTCAAGCAATTTCTCATGC 140380


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Qy 1017 CTAGAGCTCCCAAGCAGCTGGGATACGGGCACTGCCACACACACCCCGCTAAATTTTGT 1076
Db 140379 CTCGGCTCCCGAGTAGCTGGGATATACAGGCACCGCCACACACACCTGGCTAAATTTTGT 140320
Qy 1077 ATTTTCATTAAGAGCGGGTTTACACATATTTGTCCAGCTGGTCTCAAACTCCCTGACCTC 1136
Db 140319 ATTTTAAATAGAGCGGGTTTCCCTATGTTGGTCCAGCTGGTGTCAAACTCCCTAACCTC 140260
Qy 1137 AGGTGACCCACCTGCCCTCAGCTTTCCAAAGTGTCTGGGATATACAGCGTGAGCCACCTCAC 1196
Db 140259 AAGTGATCCACTGCCCTCGGCCCTCCCAAAGTGTCTGAGATATAGCGGTGAGCCACCAAGC 140200
Qy 1197 CCAGCGGCTAAATTTAGATAAAAAATATGTA 1228
Db 140199 CAGGCTCATGTATTTAAATTTTATAAAAAAGTTA 140168

RESULT 11
US-11-112-908-42
; Sequence 42, Application US/11112908
; Publication No. US20050260659A1
; GENERAL INFORMATION:
; APPLICANT: Harris, Cole
; APPLICANT: Davis, Lisa M.
; TITLE OF INVENTION: Breast Cancer Biomarkers
; FILE REFERENCE: 04-164-US
; CURRENT APPLICATION NUMBER: US/11/112,908
; CURRENT FILING DATE: 2005-04-22
; PRIOR APPLICATION NUMBER: US 60/564,758
; PRIOR FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: US 60/575,978
; PRIOR FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/631,702
; PRIOR FILING DATE: 2004-11-30
; PRIOR APPLICATION NUMBER: US 60/633,826
; PRIOR FILING DATE: 2004-12-07
; NUMBER OF SEQ ID NOS: 511
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 42
; LENGTH: 155515
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-11-112-908-42

Query Match 32.8%; Score 473; DB 12; Length 155515;
Best Local Similarity 69.6%; Pred. No. 0.17;
Matches 878; Conservative 0; Mismatches 320; Indels 63; Gaps 15;

Qy 1 TTTTCTTTTGTGAGATGGAGTTTCGCTCTGTGTCGCCAGGCTGGAGTGCATGGCGAA 60
Db 30277 TTTTCTTTTGTGAGATAGAG-TTTTCACTCTTTGTTGCCAGGCTGGAGTGCATGGTGC 30335
Qy 61 TCTCAGCTCAGCGCAACCTCCGCCCTCCGGGTTCAAGCGATTCTCCTGCCCTCAGCTCCC 120
Db 30336 TCTTGCGCTCAGTGCACAACTCTGCGCTCTCGGGTTCAAGTGATTCTCTGCGCTCAGCCTCCC 30395
Qy 121 CAGTAGCTGGGATTAAGGCAATGTGCACCCAGGCTCGGCTAAATTTGTTATTTTATTTAG 180
Db 30396 AAGTAACTGGGATTAAGGCAATGTGCACCCAGGCTCGGCTAAATTTT-TGTATTTTATG 30452
Qy 181 TAGAGATGGAGTTTCTCATGTTGTTGTCTAGGCTGGTCTGAACTCCGACCTCAGATGATC 240
Db 30453 TAGAGATGGGTTTTCACCAATATGGCCAGGCTGGTCTTGAATCTCCTGACCTC--GTGAT 30510
Qy 241 CCTCCGCTCCGCCCTCCCAAAGTGTCTAGATACAGGACTGGCCACCATGCCGGCTCTGCC 300
Db 30511 CGCCACCTTGGCCCTCCCAAAGTGTCTG--GATTACAGGCTGAACCAACACAGCCTGGC 30567
Qy 301 TGGCTAAATTTTGTGGTAGAACAGGGTTTCACTGATGTGCCCAAGCTGGTCTCCTG--- 357
Db 30568 TTTTCTTTTGTGTTCT-GAGACACAGTTTCACTCTGTTACCCAGGCTGGAGTGGGGTGG 30626

358 --AGCTCAAGCAGTCCACCTCGCTCAGCTCCCAAAGTGTGGGATTAACAGGCGTGCAGC 415
30627 CTTGATCTCGGATCACTGCAACCTCCGCTCTCTGGGCTCAAGTGATTTGGCTGCTTTCAGC 30686
416 CTTGCTCGGCTTTTATTTTATTTTAAAGACACAGGTGTCCCACTCTTACCCAGGA 475
30687 CTCCCAAGTAGCCGAGATTACAGGCATGTGCCACACACCCAGGTAAATTTTGTATTTT 30746
476 TGAAGTGCAGTGGTGTGATCA--CAGCTCAGTGCAGCTTCACTCTGATGATCAAG-CA 532
30747 GGTAGAGACGAGGTTTTCACATGTTGGCCAGGCTGTGAACTCTTGACCTCAGGTGA 30806
533 TCTCTCCTCGCTCAGCTCCCAAGTAGCTGGGACCAAGACATGCACACCTACACCTGGC- 591
30807 TCCACCGCTCAGCTCCCAAAGTGTGAGATTATAGGTGTGAGCCACACACCTGGCC 30866
592 -----TAAATTTTATTTTATTTTAAATTTTATTTTATTTTATTTTATTTTATTTT 640
30867 TCAGGAAGTATTTTATTTTAAATTTTATTTTATTTTATTTTATTTTATTTTATTTT 30925
641 CACCCAGGCTGGAGTGGCGCAATCTTGGCTCACTGCAACCTCTGCTCCCGGTT 700
30926 CGCCAGGCTAGAGTGCAGCGGATCTCGGCTCACTGCAAGCTCCGCCCTCCGCCCTCAGGTT 30985
701 CAAAGTTATCTCTGCGCCAGCTCTCTAGTAGCTGGGACTACAGGCGC---CCACACG 757
30986 CAAAGCCATCTCTGCTCAGCTCCGAGTAGCTGGGACTACAGGCGCCCGCCACACA 31045
758 CTTAGCTAAATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 816
31046 CCGGCTAAATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 31105
817 TCTTGATCTCTGACCTTGTGATCTGCTGCTCCGCTCCCAAGTGTGGGATTAACAG 876
31106 TCTCGATCTCTGACCTGCTGATCTGCTGCTCCGCTCCCAAGTGTGGGATTAACAG 31165
877 GCGTAGCCACACCGCCGCTTATTTTAAATTTTGTGTTTGAATGGAATCTCACT 936
31166 GTGTAGCCACACACCGGCT-----ATTTTATTTTATTTTATTTTATTTTATTTTATTT 31217
937 CTGTTACCCAGGCTGGAGTGCATTCGCAATCTCGGCTCACTGCAACCTCTGCTCCCG 996
31218 CTGTCACCTGGCTGCAGTGCAGTGG-TACACCATAGCTCACTGCAGCTCGAACTCCTG 31276
997 GGTCAAGCGATTCTCTGCTCAGCTCCCAAGCAGCTGGGATTAAGGCGCACTGGCAC 1056
31277 AGCTCAAGTATCTCTCCACCTCATCTCCCAAGTAAATGGGACTACAGGCGCACCCAC 31336
1057 CACACCCGCTAAATTTTGTAT-----TTTCAATTAGAGCGGGGTT 1097
31337 CATGCCACCTTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTT 31396
1098 TCACCATATTTTGTGAGCTGGTCTCAAACTCTGACCTCAGGTGACCCACCTGCTCAGC 1157
31397 TCCCTGTGTTGTCAGGCTGGTCTTGAACCTCTGAGCTCAAGGGATCTTTTGTGCTGGGC 31456
1158 CTTCCAAAGTGTGGGATTAAGCGCTGAGCCACTCACCCAGCGGCTAATTTAGATAA 1217
31457 CTCCCAAAGTGTGAGATTACAGGCATGAGCCACCGTCCCGCAGCTAGGAATCATTTTAA 31516
1218 A 1218
31517 A 31517

RESULT 12
US-11-112-908-43
; Sequence 43, Application US/11112908
; Publication No. US20050260659A1
; GENERAL INFORMATION:
; APPLICANT: Harris, Cole
; APPLICANT: Davis, Lisa M.
; TITLE OF INVENTION: Breast Cancer Biomarkers
```


:	FILE REFERENCE:	04-164-US			
:	CURRENT APPLICATION NUMBER:	US/11/112,908			
:	CURRENT FILING DATE:	2005-04-22			
:	PRIOR APPLICATION NUMBER:	US 60/564,758			
:	PRIOR FILING DATE:	2004-04-23			
:	PRIOR APPLICATION NUMBER:	US 60/575,978			
:	PRIOR FILING DATE:	2004-06-01			
:	PRIOR APPLICATION NUMBER:	US 60/631,702			
:	PRIOR FILING DATE:	2004-11-30			
:	PRIOR APPLICATION NUMBER:	US 60/633,826			
:	PRIOR FILING DATE:	2004-12-07			
:	NUMBER OF SEQ ID NOS:	511			
:	SOFTWARE:	Patentin version 3.3			
:	SEQ ID NO 43				
:	LENGTH:	159660			
:	TYPE:	DNA			
:	ORGANISM:	Homo sapiens			
:	US-11-112-908-43				
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	Query Match	32.8%; Score 473; DB 12; Length 159660;			
	Best Local Similarity	69.6%; Pred.No.0.17;			
	Matches	878; Conservative 0; Mismatches 320; Indels 63; Gaps 15;			
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Qy	1	TTTTTTTTTTTGAGATGGAGTTCGTCTTGTGTCACAGCATTTCTCCTGCCTCAGCTCC	60		
Db	20080	TTTTTTTTTTCTGAGATAGG-TTTCATCTCTGTTGCCAGGCTGGAGTCAATGGTGCAA	20138		
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Qy	61	TCTCAGCTCACCGCAACTCCGCTCCCGGTTTCAAGCGATTCTCCTGCCTCAGCTCCC	120		
Db	20139	TCTTGGCTCACTGCACCTCTGCTCTGGGTTTCAAGTATTCTCCTGCCTCAGCTCCC	20198		
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Qy	121	CAGTAGCTGGGATPACAGGATGTGACCACCGCTCGGCTAAATTTGTATTTTTTTTAG	180		
Db	20199	AAGTAACCTGGATTTACAGGAAGTGCCACCACACCCAGCTAATTT---TGTATTTTTAG	20255		
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Qy	181	TAGAGATGGAGTTTCTCATTGTTGGTCAGGCTGGTCTCGAACTCCGACCTCAGAATGC	240		
Db	20256	TAGAGATGGGGTTTACCAACAATTGCCAGGCTGGTCTTGAACTCCTGCACCTC--GTGATT	20313		
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Qy	241	CCTCCGCTCTCGGCTCCCAAAGTGTAGATACAGGACTGGCCACCACCATGCCGGCTCTCC	300		
Db	20314	CGCCACCTTGGCTCCCAAAGTGTGG---GATTACGGCGTGAACACCAACGCTGGC	20370		
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Qy	301	TGGCTAAATTTTGTGTAGAAAACAGGGTTTCACTGATGTGCCAACAGCTGGTCTCCTG---	357		
Db	20371	TTTTTTTTTTTGTCT-GAGACACAGTTTCACTCTGTATTACCAGGCTGGAGTGGGTGG	20429		
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Qy	358	--AGCTCAACAGCTCACCTGCTCAGCTCCCAAAGTCTCGGANATACAGCGTGCAGC	415		
Db	20430	CCTGATCTCGGATCATCTGCAACCTCCGCTCTCGGCTCAAGTGATTTGCCCTGTCTCAGC	20489		
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Qy	416	CGTGCTCGGCTTTTATTTTATTTTATTTTAAAGACACAGGTGTCCCACTTATCCACGA	475		
Db	20490	CTCCAAGTAGCCGAGATTACAGGCAATGTCACACCCAGGTAATTTTGTATTTTTT	20549		
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Qy	476	TGAAGTGCAGTGGTGTGATCA--CAGCTCACTGCAGCTTCAACTCTCTGAGATCAAG-CA	532		
Db	20550	GGTAGAGACAGGTTTACCAATGTTGGCCAGGCTGGTCTTGAACTCTCTGACCTCAGGTGA	20609		
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Qy	533	TCCTCTGCTCAGCTTCCCAAGTAGTGGGACCAAGACATGCAACCACTACCTGCGC-	591		
Db	20610	TCCACCGCTCAGCTCCCAAGTCTGAGATTATAGTGTGTGAGCCACACACTGSGCC	20669		
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Qy	592	-----TAAATTTTATTTTATTTTATTTTAAATTTTATTTTGTAGATGGAGTCT-TGCTCTGT	640		
Db	20670	TCAGGAAGTATTTTATTTTATTTTAAATTTTATTTTATTTTGTAGATGGAGTCT-TGCTCTGT	20728		
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Qy	641	CACCCAGGCTGGAGTGCAGTGGCGCAATCTGGCTCACTGCAACTCTGCTCCCGGTT	700		
Db	20729	CGCCAGGCTAGAGTGCAGGACGGGATCTGGCTCACTGCAAGCTCCGCCCCCAGGTT	20788		
<hr/>					
Qy	701	CAAGTTATTCTCTGCTCCCGAGCTCTGTAGTAGCTGGGACTACAGGGCGC---CCACACG	757		

Db 16740 GGAAGCTGGACTATAGGATGCACTGTCAGGTCTGCCTAATTTTAAAGTTTTTGTATC 16799
Qy 481 TGCAGTGGTGTATC--ACAGTCTACTGACGCTTCAACTCTCTGAGATCAAG-CATCTCTC 537
Db 16800 AGACAAGGTATCACCGTGTGCCAGGTGGTCTTGAACCTCTCTGGCTCAAGTATAAT 16859
Qy 538 CTGCTCAGCCTCCCAAGTAGCTGGGACCAAGACATGACCACTACCTCTGCTGCTTAATTT 597
Db 16860 CTGCTCAACCTCCCAAGACCTGGGATACAGGCAAGGCACTCACTCTGCTCTGTTG 16919
Qy 598 TTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 647
Db 16920 TATACCTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTT 16979
Qy 648 GCTGAGTGCAGTGGCGCAATCTTGCTCACTGCAACCTCTGCTCCCGGGTTCAAGTTA 707
Db 16980 GTTGGAGTGCAGTGGTCAATCTCAGCTCACTGCAATCACCACTCCCAAGGCTCAAGTGA 17039
Qy 708 TTCTCTGCCCCAGCTCTGAGTAGCTGGGACTACAGGGCCACAGCCTAGCTAAT 767
Db 17040 TTCTGTGCTCACCCTCCCAAGTAGCTGAGACTCAAGTGTCTGCAACCACTGGCT 17099
Qy 768 -TTTTTGTATTTTATAGATAG-GGTTCAACATGTTGCCAGGTTGATCTGATCT 825
Db 17100 AGATTTGTATTTTATAGGATAGGATTTCAACATGTTGCAAGGCTGGTCTTGAAG 17159
Qy 826 CTGACCT--TGTGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 883
Db 17160 CCGTACCTCAGGTGATCTGCCACCTTGGCTCCCAAGTGTGGGATTTACAGCAGGAG 17219
Qy 884 CCACACGCCCCG-----TTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTT 924
Db 17220 CTGCTGCTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 17279
Qy 925 TGGAACTCTCACTCTGTTACCCAGGCTGGAGTCAATGGCCAACTCTCGCTCAGTCAAC 984
Db 17280 TGGAACTCTGCTGTTACCCAGGCTGGAGTCAATGGCTGCTGCTGCTGCTGCTGCTGCTG 17339
Qy 985 CTCTGCTCCCGGCTCAAGCGATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1043
Db 17340 CTCTGCTGCCAAGTTCAAGTATCTCTCACTCAGCTCAGCTCAGCTCAGCTCAGCTCAGCT 17399
Qy 1044 GGGCACTGCGACACACCCCGCTAA--TTTTTGTATTTTATTTATTTATTTATTTATTT 1101
Db 17400 AGGCGTGACCAACACACCTGCTAAATTTTTTATTTATTTTATTTATTTATTTATTTATTT 17459
Qy 1102 CATATTTGTGAGCTGCTCAAACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1161
Db 17460 TGGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 17519
Qy 1162 CAAAGTGTGGATACAGGCTGAGCCACCTCACCCAGCGG 1204
Db 17520 CAAAGTGTGGATACAGGCTGATCCACCGCGCCAGCTG 17562

RESULT 15

US-11-112-908-50
; Sequence 50, Application US/11112908
; Publication No. US20050260659A1
; GENERAL INFORMATION:
; APPLICANT: Harris, Cole
; APPLICANT: Davis, Lisa M.
; TITLE OF INVENTION: Breast Cancer Biomarkers
; FILE REFERENCE: 04-164-US
; CURRENT APPLICATION NUMBER: US/11/112, 908
; CURRENT FILING DATE: 2005-04-22
; PRIOR APPLICATION NUMBER: US 60/564, 758
; PRIOR FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: US 60/575, 978
; PRIOR FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/631, 702
; PRIOR FILING DATE: 2004-11-30

; PRIOR APPLICATION NUMBER: US 60/633, 826
; PRIOR FILING DATE: 2004-12-07
; NUMBER OF SEQ ID NOS: 511
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 50
; LENGTH: 170189
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-112-908-50

Query Match 32.8%; Score 472.6; DB 12; Length 170189;
Best Local Similarity 68.2%; Pred. No. 0.16;
Matches 848; Conservative 0; Mismatches 349; Indels 46; Gaps 12;

Qy 1 TTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 60
Db 49087 TTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTT 49145
Qy 61 TCTCAGCTCAGCGCAACCTCCGCTCTCCGGGTTCAAGCGATTTCTCTGCTCAGCTCCTCC 120
Db 49146 TCTCGCTCAGCGTAAACCTCCGCTCTCCAGGTTCAAGCGATTTCTCTGCTTAGCTCCTCC 49205
Qy 121 CAGTAGCTGGGATTTACAGGCACTGTCACCCAGGCTCGGCTAATTTTGTATTTTATTTTATTT 180
Db 49206 GAGTAGCTGGGATTTACAGGCACTGTCGCTAATTTTGTATTTTATTTTATTTTATTTT 49261
Qy 181 TAGAGATGGAGTTCTTCCATGTTGCTCAGGCTGGTCTCGAACTCCCGACCTCAGATGATC 240
Db 49262 TAGAGCGGGTTCTTCCATGTTGCTCAGGCTGGTCTCGAACTCCCGACCTCAGATGATC 49321
Qy 241 CCTCGTCTCGGCTCTCCAAAGTGTAGATACAGGACTGGGCAACATGCCCGGCTCTGCC 300
Db 49322 TGACCGCTCGGCTCTCCAAAGTGTAGGATTTACAGGTTGAGGCA--CCATGCCCTGGCC 49379
Qy 301 TGGCTAATTTTGTGTAGAAACAGGTTTCACTGATGTGCCAAGCTGGTCTCTCTGAGC 360
Db 49380 TACATATTTATTTTGTAGACAAACTCTTTGTCAACCCAGGAGTGCAGTGCATGA 49439
Qy 361 TCAAGAGCTCACCTGCTCAGCTCTCCAAAGTGTGGGATTTACAGGCTGAGCGGCTGC 420
Db 49440 TCATGGCTCAGTGCAGCTCTCAACTCTGCGGTTCAAGCCATCTCTCCCGCTTACGCTCT 49499
Qy 421 CTGCGCTTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTT 480
Db 49500 GGGAACTGGGACTATAGGCACTGACCTGTCAAGTCTGCTAATTTTAAAGTTTTTGTAC 49559
Qy 481 TGCAGTGGTGTATC--ACAGCTCAGTGCAGCTTCACTCTCTGAGATCAAG-CATCCTC 537
Db 49560 AGACAAGGTATCACCGTGTGTGCCAGGTTGGTCTTTGAACCTCTGCGCTCAAGTATTA 49619
Qy 538 CTGCTCAGGCTCCCAAGTAGCTGGGACCAAGACATGACCACTACACCTGGCTTAATTT 597
Db 49620 CTGCTCNACTCCCAAGCACTGGGATTTACAGCAAGGCACTCCTCTGCGCTGTTG 49679
Qy 598 TTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTT 647
Db 49680 TATACCTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTT 49739
Qy 648 GCTGAGTGCAGTGGCGCAATCTTGCTCAGCTCACTGCAACCTCTGCTCTCCCGGTTCAAGTTA 707
Db 49740 GTTGGAGTGCAGTGGTGAATCTCAGCTCACTGCAATCAACACCTCCAGGCTCAAGTGA 49799
Qy 708 TTCTCTGCCCCAGCTCTCTGAGTAGCTGAGCTACAGGGCCCAACAGCTCAGCTAGCTAAT 767
Db 49800 TTCTGTGCTCAGCTCTCCCAAGTGTAGCTGAGCTTCAAGTGTGCTGCCACCACTAGCT 49859
Qy 768 -TTTTTGTATTTTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTT 825
Db 49860 AGATTTTGTATTTTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTT 49919
Qy 826 CTGGACCT--TGTGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 883
Db 49920 CCGTACCTCAGGTGATCTGCCACCTTTGGCTCTCCAAAGTGTCTGGGATTTACAGCAGGAG 49979

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Qy 884 CCACCACGCCCGGC-----TTATTTTAAATTTTGTGTTGTTGAAA 924
Db 49980 CTGTCGTGCCTGGCCCTGTTGTACACATTTATTTTAAATTTATTTTATTTTGGAGA 50039
Qy 925 TGGAAATCTACTCTGTTTACCCAGGCTGGAGTGCATGGCCAAATCTCGGCTCACTGCAAC 984
Db 50040 TGGAAATCTTGTCTCTTACCCAGGCTGGAATGCAAGTGGTGAATCTTTGGCTCACTGCAAC 50099
Qy 985 CTCTGCCCTCCCGGCTCAAGCGATTCTCTGTCTCAGCCTCCCAAGCAGCTGGGA-TTAC 1043
Db 50100 CTCTGCCCTGCCAAGTTCAAGTGATCCTCTACCTCAGCCTCCCAAGTAGCTAGGATTTAA 50159
Qy 1044 GGGCACCCTGCCACCACACCCCGCTAA--TTTTGTATTTTCAATPAGAGCGGGGTTTCAC 1101
Db 50160 AGCGGTGCACCACACACCTGGCTAAATTTTTTATATTTTAGTAGAGATGGGATTTTAC 50219
Qy 1102 CATATTTGTGAGGCTGGTCTCAAACTCCTGACCTCAGGTGACCCACCTGCTCAGCCTTC 1161
Db 50220 TGGGTGGTCAAGGCTGGTCTCGAACTCCTGATCTCAAAGTGATCCATCCACCTTGGTCTCC 50279
Qy 1162 CAAAGTGTGGGATTACAGGCGTGAGCCACCTCACCCAGCCGG 1204
Db 50280 CAAAGTGTGGGATTACAGGTGTGATCCACCGCGCCAGCCTG 50322

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Search completed: March 23, 2006, 21:58:10
Job time : 537.5 secs

GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: March 23, 2006, 17:41:28 ; Search time 26 Seconds
(without alignments)
1192.438 Million cell updates/sec

Title: US-09-380-203-2
Perfect score: 2034
Sequence: 1 MEFSLLPLRLCNGAISAHRLPGSSDSDSPASPVAGITGMCTHARLLYFFLVEMEF 60

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

- Database :
- 1: /cgn2_6/prodata/1/iaa/5 COMB.pep.*
 - 2: /cgn2_6/prodata/1/iaa/6 COMB.pep.*
 - 3: /cgn2_6/prodata/1/iaa/H COMB.pep.*
 - 4: /cgn2_6/prodata/1/iaa/ECTUS COMB.pep.*
 - 5: /cgn2_6/prodata/1/iaa/RE COMB.pep.*
 - 6: /cgn2_6/prodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2034	100.0	375	1	US-08-454-557C-121
2	2034	100.0	375	1	US-08-340-426D-121
3	2034	100.0	375	1	US-08-450-673C-121
4	2034	100.0	375	2	US-09-872-968-2
5	2034	100.0	375	2	US-10-153-334-1
6	1415.5	69.6	397	4	PCT-US95-17111A-121
7	377.5	18.6	158	2	US-10-104-047-3047
8	324	15.9	189	2	US-10-104-047-3196
9	307	15.1	114	2	US-10-104-047-2423
10	301	14.8	156	2	US-10-104-047-2334
11	283.5	13.9	110	2	US-10-104-047-3422
12	283	13.9	123	2	US-10-104-047-2112
13	280	13.8	152	2	US-10-104-047-2372
14	267.5	13.2	96	2	US-09-513-999C-6065
15	262	12.9	46	2	US-10-153-334-48
16	261.5	12.9	128	2	US-10-104-047-2789
17	259.5	12.8	144	2	US-09-513-999C-6953
18	258	12.7	129	2	US-10-104-047-2565
19	256	12.6	108	2	US-09-513-999C-7878
20	254.5	12.5	239	2	US-09-800-729-193
21	254.5	12.5	310	2	US-09-800-723-190
22	253	12.4	118	2	US-09-663-600A-114
23	252.5	12.4	110	2	US-10-104-047-2974
24	251	12.3	776	2	US-10-020-079-24
25	251	12.3	776	2	US-10-413-437-24
26	251	12.3	789	2	US-10-020-079-22
27	251	12.3	789	2	US-10-413-437-22

28	251	12.3	863	2	US-10-020-079-32	Sequence 32, Appl
29	251	12.3	863	2	US-10-413-437-32	Sequence 32, Appl
30	251	12.3	876	2	US-10-020-079-30	Sequence 30, Appl
31	251	12.3	876	2	US-10-413-437-30	Sequence 30, Appl
32	251	12.3	889	2	US-10-020-079-20	Sequence 20, Appl
33	251	12.3	889	2	US-10-413-437-20	Sequence 20, Appl
34	251	12.3	895	2	US-10-020-079-18	Sequence 18, Appl
35	251	12.3	895	2	US-10-413-437-18	Sequence 18, Appl
36	251	12.3	976	2	US-10-020-079-28	Sequence 28, Appl
37	251	12.3	976	2	US-10-413-437-28	Sequence 28, Appl
38	251	12.3	982	2	US-10-020-079-26	Sequence 26, Appl
39	251	12.3	982	2	US-10-413-437-26	Sequence 26, Appl
40	250	12.3	97	2	US-09-513-999C-4770	Sequence 4770, Ap
41	250	12.3	132	2	US-09-636-215-573	Sequence 573, App
42	250	12.3	132	2	US-09-685-166A-573	Sequence 573, App
43	250	12.3	132	2	US-09-679-426-573	Sequence 573, App
44	250	12.3	132	2	US-09-759-143-573	Sequence 573, App
45	250	12.3	132	2	US-09-651-236-573	Sequence 573, App

ALIGNMENTS

RESULT 1
US-08-454-557C-121
; Sequence 121, Application US/08454557C
; Patent No. 5830670
; GENERAL INFORMATION:
; APPLICANT: de la Monte, Suzanne
; APPLICANT: Wands, Jack R.
; TITLE OF INVENTION: Neural Thread Protein Gene Expression and Detection
; NUMBER OF SEQUENCES: 121
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
; STREET: 1100 New York Avenue, Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/454,557C
; FILING DATE: 30-MAY-1995
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Ludwig, Steven R.
; REGISTRATION NUMBER: 36,203
; REFERENCE/DOCKET NUMBER: 0609.3840003
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 121:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 375 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-454-557C-121

Query Match 100.0%; Score 2034; DB 1; Length 375;
Best Local Similarity 100.0%; Pred. No. 1.1e-214;
Matches 375; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MEFSLLPLRLCNGAISAHRLPGSSDSDSPASPVAGITGMCTHARLLYFFLVEMEF 60
DB 1 MEFSLLPLRLCNGAISAHRLPGSSDSDSPASPVAGITGMCTHARLLYFFLVEMEF 60
QY 61 LHVGAGLELPTSDPVSASQSAARYRTGHHARLCANFCGRNRYSLMCPSPKOST 120

Db 61 LHVQAGLELPTSDPSVSASQARYRTGHARLCLANFCGRNRVSLMCPWSWSPKQST 120
Qy 121 CLSLPKCDYRRAAVPGLFILFRLHRCPTLTQDEVQWCDHSSLOPSTPEIKHPPASASQ 180
Db 121 CLSLPKCDYRRAAVPGLFILFRLHRCPTLTQDEVQWCDHSSLOPSTPEIKHPPASASQ 180
Qy 181 VAGTKDMHYTWLIFIFLNFRLQSLNSVTQAGVQWRNLGSLQPLPGFKLFSCPSLSS 240
Db 181 VAGTKDMHYTWLIFIFLNFRLQSLNSVTQAGVQWRNLGSLQPLPGFKLFSCPSLSS 240
Qy 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGPCDLPASASQAGITGVSHARLIENFC 300
Db 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGPCDLPASASQAGITGVSHARLIENFC 300
Qy 301 LFEMESHVSVTQAGVQWPNLGLQPLPGFKLFSCPSLSSDYGYHLPHPANFCIFIRGG 360
Db 301 LFEMESHVSVTQAGVQWPNLGLQPLPGFKLFSCPSLSSDYGYHLPHPANFCIFIRGG 360
Qy 361 VSPYLSGWSQTPDLR 375
Db 361 VSPYLSGWSQTPDLR 375

RESULT 2

US-08-340-426D-121
; Sequence 121, Application US/08340426D
; Patent No. 5948634
; GENERAL INFORMATION:
; APPLICANT: de la Monte, Suzanne
; APPLICANT: Wanda, Jack R.
; TITLE OF INVENTION: Neural Thread Protein Gene Expression and Detection
; TITLE OF INVENTION: of Alzheimer's Disease
; NUMBER OF SEQUENCES: 121
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
; STREET: 1100 New York Avenue, Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/340,426D
; FILING DATE: 14-NOV-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Ludwig, Steven R.
; REGISTRATION NUMBER: 36,203
; REFERENCE/DOCKET NUMBER: 0609.3840002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 121:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 375 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-340-426D-121

Query Match 100.0%; Score 2034; DB 1; Length 375;
Best Local Similarity 100.0%; Pred. No. 1.1e-214;
Matches 375; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MEFSLLLRLECNGAISAHRNLRPLPGSSDSPASPVAGITGMCTHARLILYFFLVMEF 60
Db 1 MEFSLLLRLECNGAISAHRNLRPLPGSSDSPASPVAGITGMCTHARLILYFFLVMEF 60

Qy 61 LHVQAGLELPTSDPSVSASQARYRTGHARLCLANFCGRNRVSLMCPWSWSPKQST 120
Db 61 LHVQAGLELPTSDPSVSASQARYRTGHARLCLANFCGRNRVSLMCPWSWSPKQST 120
Qy 121 CLSLPKCDYRRAAVPGLFILFRLHRCPTLTQDEVQWCDHSSLOPSTPEIKHPPASASQ 180
Db 121 CLSLPKCDYRRAAVPGLFILFRLHRCPTLTQDEVQWCDHSSLOPSTPEIKHPPASASQ 180
Qy 181 VAGTKDMHYTWLIFIFLNFRLQSLNSVTQAGVQWRNLGSLQPLPGFKLFSCPSLSS 240
Db 181 VAGTKDMHYTWLIFIFLNFRLQSLNSVTQAGVQWRNLGSLQPLPGFKLFSCPSLSS 240
Qy 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGPCDLPASASQAGITGVSHARLIENFC 300
Db 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGPCDLPASASQAGITGVSHARLIENFC 300
Qy 301 LFEMESHVSVTQAGVQWPNLGLQPLPGFKLFSCPSLSSDYGYHLPHPANFCIFIRGG 360
Db 301 LFEMESHVSVTQAGVQWPNLGLQPLPGFKLFSCPSLSSDYGYHLPHPANFCIFIRGG 360
Qy 361 VSPYLSGWSQTPDLR 375
Db 361 VSPYLSGWSQTPDLR 375

RESULT 3

US-08-450-673C-121
; Sequence 121, Application US/08450673C
; Patent No. 5948888
; GENERAL INFORMATION:
; APPLICANT: de la Monte, Suzanne
; APPLICANT: Wanda, Jack R.
; TITLE OF INVENTION: Neural Thread Protein Gene Expression and Detection
; TITLE OF INVENTION: of Alzheimer's Disease
; NUMBER OF SEQUENCES: 121
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
; STREET: 1100 New York Avenue, Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/450,673C
; FILING DATE: 30-MAY-1995
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Ludwig, Steven R.
; REGISTRATION NUMBER: 36,203
; REFERENCE/DOCKET NUMBER: 0609.3840004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 121:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 375 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-450-673C-121

Query Match 100.0%; Score 2034; DB 1; Length 375;
Best Local Similarity 100.0%; Pred. No. 1.1e-214;
Matches 375; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MEFSLLLRLECNGAISAHRNLRPLPGSSDSPASPVAGITGMCTHARLILYFFLVMEF 60
Db 1 MEFSLLLRLECNGAISAHRNLRPLPGSSDSPASPVAGITGMCTHARLILYFFLVMEF 60

QY 61 LHVQAGLELPTSDDDPSVSASQARYTGHARLCLANFCGRNRVSLMCPSPWSPKQST 120
 Db 61 LHVQAGLELPTSDDDPSVSASQARYTGHARLCLANFCGRNRVSLMCPSPWSPKQST 120
 QY 121 CLSLPKCDYRRAAVPGLFLLFRLHRCPTLTQDEVQWCDHSSLOPSTPEIKHPPASQ 180
 Db 121 CLSLPKCDYRRAAVPGLFLLFRLHRCPTLTQDEVQWCDHSSLOPSTPEIKHPPASQ 180
 QY 181 VAGTKDMHYTWLIFIFNLRQSLNSVTQAGVQWRNLGSLQPLPPGFKLFSCPSLLSS 240
 Db 181 VAGTKDMHYTWLIFIFNLRQSLNSVTQAGVQWRNLGSLQPLPPGFKLFSCPSLLSS 240
 QY 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGPCDLPASASQAGITGVSHHARLIFNFC 300
 Db 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGPCDLPASASQAGITGVSHHARLIFNFC 300
 QY 301 LFEMESHVSTQAGVQWRNLGSLQPLPPGFKLFSCPSLLSS 360
 Db 301 LFEMESHVSTQAGVQWRNLGSLQPLPPGFKLFSCPSLLSS 360
 QY 361 VSPYLSGWSQTPDLR 375
 Db 361 VSPYLSGWSQTPDLR 375

RESULT 4
 US-09-872-968-2
 ; Sequence 2, Application US/09872968
 ; Patent No. 6770797
 ; GENERAL INFORMATION:
 ; APPLICANT: Wands, Jack R
 ; TITLE OF INVENTION: Inhibition of Neurodegeneration
 ; FILE REFERENCE: 21486-047
 ; CURRENT APPLICATION NUMBER: US/09/872,968
 ; CURRENT FILING DATE: 2001-06-01
 ; NUMBER OF SEQ ID NOS: 2
 ; SOFTWARE: Patent In Ver. 2.1
 ; SEQ ID NO 2
 ; LENGTH: 375
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-872-968-2

Query Match 100.0%; Score 2034; DB 2; Length 375;
 Best Local Similarity 100.0%; Pred. No. 1.1e-214;
 Matches 375; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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 Db 1 MEFSLLLPRLECNCAISAHNRNLRLPGSSDSPASASPVAGITGCTHARLILYFFLVEMEF 60
 QY 61 LHVQAGLELPTSDDDPSVSASQARYTGHARLCLANFCGRNRVSLMCPSPWSPKQST 120
 Db 61 LHVQAGLELPTSDDDPSVSASQARYTGHARLCLANFCGRNRVSLMCPSPWSPKQST 120
 QY 121 CLSLPKCDYRRAAVPGLFLLFRLHRCPTLTQDEVQWCDHSSLOPSTPEIKHPPASQ 180
 Db 121 CLSLPKCDYRRAAVPGLFLLFRLHRCPTLTQDEVQWCDHSSLOPSTPEIKHPPASQ 180
 QY 181 VAGTKDMHYTWLIFIFNLRQSLNSVTQAGVQWRNLGSLQPLPPGFKLFSCPSLLSS 240
 Db 181 VAGTKDMHYTWLIFIFNLRQSLNSVTQAGVQWRNLGSLQPLPPGFKLFSCPSLLSS 240
 QY 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGPCDLPASASQAGITGVSHHARLIFNFC 300
 Db 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGPCDLPASASQAGITGVSHHARLIFNFC 300
 QY 301 LFEMESHVSTQAGVQWRNLGSLQPLPPGFKLFSCPSLLSS 360
 Db 301 LFEMESHVSTQAGVQWRNLGSLQPLPPGFKLFSCPSLLSS 360

QY 361 VSPYLSGWSQTPDLR 375
 Db 361 VSPYLSGWSQTPDLR 375
 RESULT 5
 US-10-153-334-1
 ; Sequence 1, Application US/10153334
 ; Patent No. 6924266
 ; GENERAL INFORMATION:
 ; APPLICANT: AVERBACK, PAUL
 ; TITLE OF INVENTION: PEPTIDES EFFECTIVE IN THE TREATMENT OF TUMORS AND OTHER
 ; TITLE OF INVENTION: CONDITIONS REQUIRING THE REMOVAL OR DESTRUCTION OF
 ; TITLE OF INVENTION: CELLS
 ; FILE REFERENCE: 59003-000006
 ; CURRENT APPLICATION NUMBER: US/10/153,334
 ; CURRENT FILING DATE: 2002-05-24
 ; PRIOR APPLICATION NUMBER: 60/293,156
 ; PRIOR FILING DATE: 2001-05-25
 ; NUMBER OF SEQ ID NOS: 53
 ; SOFTWARE: Patent In Ver. 2.1
 ; SEQ ID NO 1
 ; LENGTH: 375
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-153-334-1

Query Match 100.0%; Score 2034; DB 2; Length 375;
 Best Local Similarity 100.0%; Pred. No. 1.1e-214;
 Matches 375; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MEFSLLLPRLECNCAISAHNRNLRLPGSSDSPASASPVAGITGCTHARLILYFFLVEMEF 60
 Db 1 MEFSLLLPRLECNCAISAHNRNLRLPGSSDSPASASPVAGITGCTHARLILYFFLVEMEF 60
 QY 61 LHVQAGLELPTSDDDPSVSASQARYTGHARLCLANFCGRNRVSLMCPSPWSPKQST 120
 Db 61 LHVQAGLELPTSDDDPSVSASQARYTGHARLCLANFCGRNRVSLMCPSPWSPKQST 120
 QY 121 CLSLPKCDYRRAAVPGLFLLFRLHRCPTLTQDEVQWCDHSSLOPSTPEIKHPPASQ 180
 Db 121 CLSLPKCDYRRAAVPGLFLLFRLHRCPTLTQDEVQWCDHSSLOPSTPEIKHPPASQ 180
 QY 181 VAGTKDMHYTWLIFIFNLRQSLNSVTQAGVQWRNLGSLQPLPPGFKLFSCPSLLSS 240
 Db 181 VAGTKDMHYTWLIFIFNLRQSLNSVTQAGVQWRNLGSLQPLPPGFKLFSCPSLLSS 240
 QY 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGPCDLPASASQAGITGVSHHARLIFNFC 300
 Db 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGPCDLPASASQAGITGVSHHARLIFNFC 300
 QY 301 LFEMESHVSTQAGVQWRNLGSLQPLPPGFKLFSCPSLLSS 360
 Db 301 LFEMESHVSTQAGVQWRNLGSLQPLPPGFKLFSCPSLLSS 360
 QY 361 VSPYLSGWSQTPDLR 375
 Db 361 VSPYLSGWSQTPDLR 375

RESULT 6
 PCT-US95-17111A-121
 ; Sequence 121, Application PC/TUS9517111A
 ; GENERAL INFORMATION:
 ; APPLICANT: de la Monte, Suzanne
 ; APPLICANT: Wands, Jack R.
 ; TITLE OF INVENTION: Neural Thread Protein Gene Expression and
 ; TITLE OF INVENTION: Detection of Alzheimer's Disease
 ; NUMBER OF SEQUENCES: 121
 ; CORRESPONDENCE ADDRESSES:
 ; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
 ; STREET: 1100 New York Avenue, Suite 600
 ; CITY: Washington

```
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/17111A
; FILING DATE:
; CLASSIFICATION:
; PRIORITY INFORMATION:
; APPLICATION NUMBER: 08/340,426
; FILING DATE: 14-NOV-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Ludwig, Steven R.
; REGISTRATION NUMBER: 36,203
; REFERENCE/DOCKET NUMBER: 0509.3840002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 121:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 397 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
PCT-US95-17111A-121

Query Match 69.6%; Score 1415.5; DB 4; Length 397;
Best Local Similarity 74.6%; Pred. No. 1e-146; Indels 43; Gaps 7;
Matches 285; Conservative 10; Mismatches 44;

Qy 1 MEFSLLLPRLECGAISAHRNLRLEPGSSDSPASASPVAGITGMCTHARLIILYFFLVEMEF 60
Db 1 MEFSLLLPRLECGAISAHRNLRLEPGSSDSPASASPVGWDYRHVHARLIILYFFLVEMEF 60
Qy 61 LHVGQAGLEL-----PTSDPVSASQSAARYTGHARLCANFCGRNRVSLMCP 110
Db 61 LHVGQAGLELRAQMLPSRPPKVLDTGLSTMPG-----LCLANFCGRNRVSLMCP 110
Qy 111 SWSPELKOSTCLSLPKCDYRAAPVGLFILFELHRCPTLTQDEVQWCDHSSLOPSTPE 170
Db 111 SWSPELKOSTCLSLPKCDYRAAPVGLFILFELHRCPTLTQDEVQWCDHSSLOPSTLR 170
Qy 171 ----IKHPPASQVAGTKDMHHYTWLIFIFNFRQSLNSVTOAGVQWRNLSGLQPLP 226
Db 171 SILLPQPP-----KVAGTKDMHHYTWLIFIFNFRQSLNSVTOAGVQWRNLSGLQPLP 226
Qy 227 PGKLFSCPSLLSSWDYRRPRLANFFVFLVEMGF-----TWPAR----LILISGPCDLPA 278
Db 227 PGKLFSCPSLLSSWDYRRPRLANFFVFLVEMGFPHVRQVDARSLDLVI CLPRP----- 281
Qy 279 SASQAGITGVSHHARLIENFCLFEMESHVTOAGVQWRNLSGLQPLPGLKRFSCLSLP 338
Db 282 --PKVLGLQDVTPPTARPIFNFCLEFEMESHVTOAGVQWRNLSGLQPLPGLKRFSCLSLP 339
Qy 339 SSWDYGHLPHPANFCIFIRGG 360
Db 340 SSWDYGHLLHHTPLIFVFSLEAG 361

RESULT 7
US-10-104-047-3047
; Sequence 3047, Application US/10104047
; Patent No. 6943241
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. 6943241e1 full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25
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; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3047
; LENGTH: 158
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-104-047-3047

Query Match 18.6%; Score 377.5; DB 2; Length 158;
Best Local Similarity 53.3%; Pred. No. 3e-33;
Matches 81; Conservative 7; Mismatches 21; Indels 43; Gaps 3;

Qy 207 NSVTQAGVQWRNLSGLQPLPGLKRFSCPSLLSSWDYRR-PPRLANFFVFLVEMGFMTFA 265
Db 4 HSVTQAGVQWCGLSGLQPLPGLKRFSCPSLLSSWDYRRVPPPLANFCIF----- 53
Qy 266 RLILISGPCDLPASASQAGITGVSHHARLIENFCLFEMESHVTOAGVQWRNLSGLQPL 325
Db 54 -----FSGF-FFEKESLSVTQAGVQWHDLSLQA 81
Qy 326 PGGLKRFSCLSLPSSWDYGHLPHPANFCIFI 357
Db 82 PGGFTPFSCLSLPSSWYRRPPPCPANFFVFL 113

RESULT 8
US-10-104-047-3196
; Sequence 3196, Application US/10104047
; Patent No. 6943241
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. 6943241e1 full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3196
; LENGTH: 189
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-104-047-3196

Query Match 15.9%; Score 324; DB 2; Length 189;
Best Local Similarity 39.6%; Pred. No. 2.9e-27;
Matches 99; Conservative 11; Mismatches 66; Indels 74; Gaps 10;

Qy 8 PRLECGAISAHRNLRLEPGSSDSPASASPVAGITGMCTHARLIILYFFLVEMEFHVGOAG 67
Db 3 PRLECGAISAAPCNFPPLSGSSDSPASASRVAGTTGTRHQAQLI-FVFLVETGFRHIGQAA 61
Qy 68 LELPTSDPVSASQSAARYTGHARLCANFCGRNRVSLMCPSPKQSTCLSLPKC 127
Db 62 LELTSGDPPTASQSAAGITVLSH-----RTPSLF-----LRQD----- 96
Qy 128 WDYRAAVPGLFILFELHRCPTLTQDEVQWCDHSSLOPSTPEIKHPPASASQVAGTKDM 187
Db 97 -----LLFPRLECSGVI-----TAHCSLNPLGS--SSPTSDSGVAGPTRP 135
Qy 188 HHYTWLIFIFNFRQSLNSVTOAGVQWRNLSGLQPLPQPF-----KLFSCPSLLSSW 241
Db 136 HHHTWLIFVFFV-----EMGIL-PCHPGWRTPELKQSHLGLSKRW 175
Qy 242 DYR-RPRLA 250
Db 176 DYRHEPPLA 185

RESULT 9
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; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. 6943241el full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3422
; LENGTH: 110
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-104-047-3422

Query Match      13.9%; Score 283.5; DB 2; Length 110;
Best Local Similarity 63.0%; Pred. No. 3.7e-23;
Matches 58; Conservative 3; Mismatches 22; Indels 9; Gaps 2;

QY      292 HARLIF-----NFCL--FEMESHSVTQAGVQWPNLGSLOPLPPGLKRFSCSLSPSSWD 342
Db      4 HAFIVFLLLFVVVFCFLFVFETESRVAQAQVQWRNLGSLHPPPPGKRFPCPSLPSWD 63

QY      343 YGHLPPHPANFCIFIRGVSPYLSGWSOTPDL 374
Db      64 YRPPPHLANFCIFGRHEVSPYVWPGWSRTPEL 95

RESULT 12
US-10-104-047-2112
; Sequence 2112, Application US/10104047
; Patent No. 6943241
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. 6943241el full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2112
; LENGTH: 123
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-104-047-2112

Query Match      13.9%; Score 283; DB 2; Length 123;
Best Local Similarity 68.4%; Pred. No. 5e-23;
Matches 54; Conservative 5; Mismatches 20; Indels 0; Gaps 0;

QY      296 IFNFCLFEMESHSVTQAGVQWPNLGSLOPLPPGLKRFSCSLSPSSWDYGHLPHPANFCI 355
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QY      356 FIRGVSPYLSGWSOTPDL 374
Db      78 FSRDGLVPCWPSWSRTPDL 96

RESULT 13
US-10-104-047-2372
; Sequence 2372, Application US/10104047
; Patent No. 6943241
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. 6943241el full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:

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QM protein - protein search, using sw model

Run on: March 23, 2006, 17:51:58 ; Search time 169 Seconds
(without alignments)
927.136 Million cell updates/sec

Title: US-09-380-203-2
Perfect score: 2034
Sequence: 1 MFPSLLPLRNCNGAISNR.....FIRGGVSPYLSGWSQTPDLR 375

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA Main:
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2: /cgn2_6/prodata1/pubpaa/US08_PUBCOMB.pep.*
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4: /cgn2_6/prodata1/pubpaa/US10A_PUBCOMB.pep.*
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6: /cgn2_6/prodata1/pubpaa/US11_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	2034	100.0	375	3	US-09-964-666-2
2	2034	100.0	375	3	US-09-964-412-2
3	2034	100.0	375	3	US-09-964-667-2
4	2034	100.0	375	3	US-09-872-968-2
5	2034	100.0	375	3	US-09-964-678A-2
6	2034	100.0	375	4	US-10-146-130-2
7	2034	100.0	375	4	US-10-092-934-10
8	2034	100.0	375	4	US-10-153-334-1
9	2034	100.0	375	4	US-10-198-069-1
10	2034	100.0	375	4	US-10-157-031-299
11	2034	100.0	375	4	US-10-198-070-1
12	2034	100.0	375	4	US-10-755-889-410
13	2034	100.0	375	5	US-10-910-173-2
14	822.5	40.4	411	5	US-10-450-763-38787
15	735	36.1	290	5	US-10-450-763-52272
16	734.5	36.1	361	3	US-09-995-494-107
17	729	35.8	449	4	US-10-007-280A-140
18	590	29.0	276	5	US-10-450-763-38278
19	569	28.0	241	4	US-10-276-774-1834
20	546	26.8	215	5	US-10-450-763-38280
21	517	25.4	213	4	US-10-296-115-911
22	471	23.2	286	4	US-10-291-172-654
23	471	23.2	286	4	US-10-221-278-654
24	464	22.8	154	5	US-10-450-763-38784
25	457.5	22.5	264	5	US-10-450-763-52437
26	428.5	21.1	183	3	US-09-989-920-245
27	427	21.0	146	5	US-10-450-763-38554
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					Sequence 2, Appli
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					Sequence 2, Appli
					Sequence 10, Appli
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					Sequence 410, App
					Sequence 2, Appli
					Sequence 38787, A
					Sequence 52272, A
					Sequence 107, App
					Sequence 38278, A
					Sequence 1834, Ap
					Sequence 38280, A
					Sequence 911, App
					Sequence 654, App
					Sequence 38784, A
					Sequence 52437, A
					Sequence 245, App
					Sequence 38554, A

ALIGNMENTS

RESULT 1

US-09-964-666-2
; Sequence 2, Application US/09964666
; Patent No. US20020104108A1
; GENERAL INFORMATION:
; APPLICANT: de la Monte, Suzanne
; TITLE OF INVENTION: Transgenic Animals and Cell Lines for
; Screening Drugs Effective for the Treatment or Prevention
; of Alzheimer's Disease
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox, P.L.L.C.
; STREET: 1100 New York Ave., Suite 600
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION NUMBER: US/09/964,666
; FILING DATE: 28-Sep-2001
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Esmond, Robert W.
; REGISTRATION NUMBER: 32,893
; REFERENCE/DOCKET NUMBER: 0609.4370000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 375 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:

Query Match 100.0%; Score 2034; DB 3; Length 375;
Best Local Similarity 100.0%; Pred. No. 1.1e-184;
Matches 375; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MFPSLLPLRNCNGAISNRNLRLPGSSDSDSPASPVAGITGMCTHARLILYFFLIVMEF 60
DB 1 MFPSLLPLRNCNGAISNRNLRLPGSSDSDSPASPVAGITGMCTHARLILYFFLIVMEF 60

QY 61 LHVQAGLELPTSDPVSASQSAARYTGHARCLANFCGRNRVSLMCPSPWSPKQST 120
DB 61 LHVQAGLELPTSDPVSASQSAARYTGHARCLANFCGRNRVSLMCPSPWSPKQST 120
QY 121 CLSLPKCDWYRAAVPGLFILFELHRCPTLTQDEVQWCDHSSLOPSTPEIKHPPASQ 180
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QY 181 VAGTKDMHYTWLIFIFENFLRQSLNSVTQAGVQWRNLSLQPLPGFKLFSCPSLLSS 240
DB 181 VAGTKDMHYTWLIFIFENFLRQSLNSVTQAGVQWRNLSLQPLPGFKLFSCPSLLSS 240
QY 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGPCDLPASASQSAAGITGVSHHARLIENFC 300
DB 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGPCDLPASASQSAAGITGVSHHARLIENFC 300
QY 301 LFEMESHVTOAGVQWRNLSLQPLPGFKLFSCPSLLSS 360
DB 301 LFEMESHVTOAGVQWRNLSLQPLPGFKLFSCPSLLSS 360
QY 361 VSPYLSGWSQTPDLR 375
DB 361 VSPYLSGWSQTPDLR 375

RESULT 2
US-09-964-412-2
; Sequence 2, Application US/09964412
; Patent No. US20020129391A1
; GENERAL INFORMATION:
; APPLICANT: de la Monte, Suzanne
; Wanda, Jack R.
; TITLE OF INVENTION: Transgenic Animals and Cell Lines for
; Screening Drugs Effective for the Treatment or Prevention
; of Alzheimer's Disease
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox, P.L.L.C.
; STREET: 1100 New York Ave., Suite 600
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/964,412
; FILING DATE: 28-Sep-2001
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Esmond, Robert W.
; REGISTRATION NUMBER: 32,893
; REFERENCE/DOCKET NUMBER: 0609.4370000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 375 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-964-412-2

Query Match 100.0%; Score 2034; DB 3; Length 375;
Best Local Similarity 100.0%; Pred. No. 1.1e-184;
Matches 375; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEPSLLPLRECNGLSAHNRLLPGSSDSPASASPVAGITGMCTHARLILYFLVEMEF 60
DB 1 MEPSLLPLRECNGLSAHNRLLPGSSDSPASASPVAGITGMCTHARLILYFLVEMEF 60
QY 61 LHVQAGLELPTSDPVSASQSAARYTGHARCLANFCGRNRVSLMCPSPWSPKQST 120
DB 61 LHVQAGLELPTSDPVSASQSAARYTGHARCLANFCGRNRVSLMCPSPWSPKQST 120
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DB 121 CLSLPKCDWYRAAVPGLFILFELHRCPTLTQDEVQWCDHSSLOPSTPEIKHPPASQ 180
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DB 181 VAGTKDMHYTWLIFIFENFLRQSLNSVTQAGVQWRNLSLQPLPGFKLFSCPSLLSS 240
QY 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGPCDLPASASQSAAGITGVSHHARLIENFC 300
DB 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGPCDLPASASQSAAGITGVSHHARLIENFC 300
QY 301 LFEMESHVTOAGVQWRNLSLQPLPGFKLFSCPSLLSS 360
DB 301 LFEMESHVTOAGVQWRNLSLQPLPGFKLFSCPSLLSS 360
QY 361 VSPYLSGWSQTPDLR 375
DB 361 VSPYLSGWSQTPDLR 375

RESULT 3
US-09-964-667-2
; Sequence 2, Application US/09964667
; Publication No. US20030033621A1
; GENERAL INFORMATION:
; APPLICANT: de la Monte, Suzanne
; Wanda, Jack R.
; TITLE OF INVENTION: Transgenic Animals and Cell Lines for
; Screening Drugs Effective for the Treatment or Prevention
; of Alzheimer's Disease
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox, P.L.L.C.
; STREET: 1100 New York Ave., Suite 600
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/964,667
; FILING DATE: 28-Sep-2001
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Esmond, Robert W.
; REGISTRATION NUMBER: 32,893
; REFERENCE/DOCKET NUMBER: 0609.4370000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 375 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-964-667-2

Query Match 100.0%; Score 2034; DB 3; Length 375;

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Best Local Similarity 100.0%; Pred. No. 1.1e-184;
Matches 375; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MEFSLLLPRLCNGAISAHRNLRPGSSDPSASPVAGITGCTHARLILYFFLVEMEF 60

QY 61 LHVGQAGLELPTSDPSVSASQARYRTGHHARLCLANFCGRNRVSLMCPSPKQST 120
DB 61 LHVGQAGLELPTSDPSVSASQARYRTGHHARLCLANFCGRNRVSLMCPSPKQST 120

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DB 121 CLSLPKCWDYRRAAVPGLFILFLLRHRCPTLTQDEVQWCDHSLQSPSTPEIKHPPASQ 180

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DB 181 VAGTKDMHYTWLIFIFNFRQSLNSVTQAGVQWRNLGSLQPLPPGPKLFSCPSLLSS 240

QY 241 WDYRRPRLANFVFLVEMGTMPARLILISGCDLPASASQAGITGVSHARLIFNFC 300
DB 241 WDYRRPRLANFVFLVEMGTMPARLILISGCDLPASASQAGITGVSHARLIFNFC 300

QY 301 LFEESHVSVTQAGVQWRNLGSLQPLPPGPKLFSCPSLLSS 360
DB 301 LFEESHVSVTQAGVQWRNLGSLQPLPPGPKLFSCPSLLSS 360

QY 361 VSPYLSGWSQTPDLR 375
DB 361 VSPYLSGWSQTPDLR 375

RESULT 4
US-09-872-968-2
; Sequence 2, Application US/09872968
; Publication No. US20030050262A1
; GENERAL INFORMATION:
; APPLICANT: Wands, Jack R
; APPLICANT: de la Monte, Suzanne M
; TITLE OF INVENTION: Inhibition of Neurodegeneration
; FILE REFERENCE: 21486-047
; CURRENT APPLICATION NUMBER: US/09/872,968
; CURRENT FILING DATE: 2001-06-01
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 2
; LENGTH: 375
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-872-968-2

Query Match 100.0%; Score 2034; DB 3; Length 375;
Best Local Similarity 100.0%; Pred. No. 1.1e-184;
Matches 375; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 61 LHVGQAGLELPTSDPSVSASQARYRTGHHARLCLANFCGRNRVSLMCPSPKQST 120

QY 121 CLSLPKCWDYRRAAVPGLFILFLLRHRCPTLTQDEVQWCDHSLQSPSTPEIKHPPASQ 180
DB 121 CLSLPKCWDYRRAAVPGLFILFLLRHRCPTLTQDEVQWCDHSLQSPSTPEIKHPPASQ 180

QY 181 VAGTKDMHYTWLIFIFNFRQSLNSVTQAGVQWRNLGSLQPLPPGPKLFSCPSLLSS 240
DB 181 VAGTKDMHYTWLIFIFNFRQSLNSVTQAGVQWRNLGSLQPLPPGPKLFSCPSLLSS 240

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DB 241 WDYRRPRLANFVFLVEMGTMPARLILISGCDLPASASQAGITGVSHARLIFNFC 300
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DB 241 WDYRRPRLANFVFLVEMGTMPARLILISGCDLPASASQAGITGVSHARLIFNFC 300
QY 301 LFEESHVSVTQAGVQWRNLGSLQPLPPGPKLFSCPSLLSS 360
DB 301 LFEESHVSVTQAGVQWRNLGSLQPLPPGPKLFSCPSLLSS 360
QY 361 VSPYLSGWSQTPDLR 375
DB 361 VSPYLSGWSQTPDLR 375

RESULT 5
US-09-964-678A-2
; Sequence 2, Application US/09964678A
; Publication No. US20030066097A1
; GENERAL INFORMATION:
; APPLICANT: Wands, Jack R
; APPLICANT: de la Monte, Suzanne
; TITLE OF INVENTION: Transgenic Animals and Cell Lines for Screening Drugs
; TITLE OF INVENTION: Effective for the Treatment or Prevention of
; TITLE OF INVENTION: Alzheimer's Disease
; FILE REFERENCE: 0609.4370002
; CURRENT APPLICATION NUMBER: US/09/964,678A
; CURRENT FILING DATE: 2001-09-28
; PRIOR APPLICATION NUMBER: 09/380,203
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: PCT/US98/03685
; PRIOR FILING DATE: 1998-02-26
; PRIOR APPLICATION NUMBER: 60/038,908
; PRIOR FILING DATE: 1997-02-26
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 2
; LENGTH: 375
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: AD7C-NTP cdNA
US-09-964-678A-2

Query Match 100.0%; Score 2034; DB 3; Length 375;
Best Local Similarity 100.0%; Pred. No. 1.1e-184;
Matches 375; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MEFSLLLPRLCNGAISAHRNLRPGSSDPSASPVAGITGCTHARLILYFFLVEMEF 60

QY 61 LHVGQAGLELPTSDPSVSASQARYRTGHHARLCLANFCGRNRVSLMCPSPKQST 120
DB 61 LHVGQAGLELPTSDPSVSASQARYRTGHHARLCLANFCGRNRVSLMCPSPKQST 120

QY 121 CLSLPKCWDYRRAAVPGLFILFLLRHRCPTLTQDEVQWCDHSLQSPSTPEIKHPPASQ 180
DB 121 CLSLPKCWDYRRAAVPGLFILFLLRHRCPTLTQDEVQWCDHSLQSPSTPEIKHPPASQ 180

QY 181 VAGTKDMHYTWLIFIFNFRQSLNSVTQAGVQWRNLGSLQPLPPGPKLFSCPSLLSS 240
DB 181 VAGTKDMHYTWLIFIFNFRQSLNSVTQAGVQWRNLGSLQPLPPGPKLFSCPSLLSS 240

QY 241 WDYRRPRLANFVFLVEMGTMPARLILISGCDLPASASQAGITGVSHARLIFNFC 300
DB 241 WDYRRPRLANFVFLVEMGTMPARLILISGCDLPASASQAGITGVSHARLIFNFC 300

QY 301 LFEESHVSVTQAGVQWRNLGSLQPLPPGPKLFSCPSLLSS 360
DB 301 LFEESHVSVTQAGVQWRNLGSLQPLPPGPKLFSCPSLLSS 360
QY 361 VSPYLSGWSQTPDLR 375
DB 361 VSPYLSGWSQTPDLR 375
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RESULT 6
US-10-146-130-2
; Sequence 2, Application US/10146130
; Publication No. US20030004107A1
; GENERAL INFORMATION:
; APPLICANT: AVERBACK, PAUL
; TITLE OF INVENTION: METHOD OF PREVENTING CELL DEATH USING SEGMENTS OF
; TITLE OF INVENTION: NEURAL THREAD PROTEINS
; FILE REFERENCE: 59003.000007
; CURRENT APPLICATION NUMBER: US/10/146.130
; CURRENT FILING DATE: 2002-08-06
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 2
; LENGTH: 375
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-146-130-2

Query Match 100.0%; Score 2034; DB 4; Length 375;
Best Local Similarity 100.0%; Pred. No. 1.1e-184;
Matches 375; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MEFSLLPLRLCNGAISAHRNLRPLGSSDSPASASPVAGITGCTHARLILYFFLVEMEF 60
Qy 61 LHVGQAGLELPTSDPVSASQSAARYRTGHHARLCLANFCGRNRVSLMCPSPSPKQST 120
Db 61 LHVGQAGLELPTSDPVSASQSAARYRTGHHARLCLANFCGRNRVSLMCPSPSPKQST 120
Qy 121 CLSLPKCDYDRAAIVPGLFILFLHRCPTLTQDEVQWCDHSSLOPSTPEIKHPPASASQ 180
Db 121 CLSLPKCDYDRAAIVPGLFILFLHRCPTLTQDEVQWCDHSSLOPSTPEIKHPPASASQ 180
Qy 181 VAGTKDMHYTWLIFIFNLRQSLNSVTQAGVQWRNLGSLQPLPGPKLFCPSLLSS 240
Db 181 VAGTKDMHYTWLIFIFNLRQSLNSVTQAGVQWRNLGSLQPLPGPKLFCPSLLSS 240
Qy 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGPCDLPASASQAGITGVSHHARLIENFC 300
Db 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGPCDLPASASQAGITGVSHHARLIENFC 300
Qy 301 LFEMESHVTOAGVQWPNLGSLOPLPGLKRFSCLSLSPSSWDYGHLPHPANFCIFIRGG 360
Db 301 LFEMESHVTOAGVQWPNLGSLOPLPGLKRFSCLSLSPSSWDYGHLPHPANFCIFIRGG 360
Qy 361 VSPYLSGWSQTPDLR 375
Db 361 VSPYLSGWSQTPDLR 375

RESULT 7
US-10-092-934-10
; Sequence 10, Application US/10092934
; Publication No. US20030054990A1
; GENERAL INFORMATION:
; APPLICANT: AVERBACK, PAUL
; TITLE OF INVENTION: METHODS OF USING NEURAL THREAD PROTEINS TO TREAT TUMORS
; TITLE OF INVENTION: AND CONDITIONS REQUIRING THE REMOVAL OR DESTRUCTION OF
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: 018792-0199
; CURRENT APPLICATION NUMBER: US/10/092.934
; CURRENT FILING DATE: 2002-06-05
; PRIOR APPLICATION NUMBER: 60/273.957
; PRIOR FILING DATE: 2001-03-08
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 10
; LENGTH: 375
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-092-934-10

Query Match 100.0%; Score 2034; DB 4; Length 375;
Best Local Similarity 100.0%; Pred. No. 1.1e-184;
Matches 375; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MEFSLLPLRLCNGAISAHRNLRPLGSSDSPASASPVAGITGCTHARLILYFFLVEMEF 60
Db 1 MEFSLLPLRLCNGAISAHRNLRPLGSSDSPASASPVAGITGCTHARLILYFFLVEMEF 60
Qy 61 LHVGQAGLELPTSDPVSASQSAARYRTGHHARLCLANFCGRNRVSLMCPSPSPKQST 120
Db 61 LHVGQAGLELPTSDPVSASQSAARYRTGHHARLCLANFCGRNRVSLMCPSPSPKQST 120
Qy 121 CLSLPKCDYDRAAIVPGLFILFLHRCPTLTQDEVQWCDHSSLOPSTPEIKHPPASASQ 180
Db 121 CLSLPKCDYDRAAIVPGLFILFLHRCPTLTQDEVQWCDHSSLOPSTPEIKHPPASASQ 180
Qy 181 VAGTKDMHYTWLIFIFNLRQSLNSVTQAGVQWRNLGSLQPLPGPKLFCPSLLSS 240
Db 181 VAGTKDMHYTWLIFIFNLRQSLNSVTQAGVQWRNLGSLQPLPGPKLFCPSLLSS 240
Qy 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGPCDLPASASQAGITGVSHHARLIENFC 300
Db 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGPCDLPASASQAGITGVSHHARLIENFC 300
Qy 301 LFEMESHVTOAGVQWPNLGSLOPLPGLKRFSCLSLSPSSWDYGHLPHPANFCIFIRGG 360
Db 301 LFEMESHVTOAGVQWPNLGSLOPLPGLKRFSCLSLSPSSWDYGHLPHPANFCIFIRGG 360
Qy 361 VSPYLSGWSQTPDLR 375
Db 361 VSPYLSGWSQTPDLR 375

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Query Match 100.0%; Score 2034; DB 4; Length 375;
Best Local Similarity 100.0%; Pred. No. 1.1e-184;
Matches 375; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MEFSLLPLRLCNGAISAHRNLRPLGSSDSPASASPVAGITGCTHARLILYFFLVEMEF 60
Db 1 MEFSLLPLRLCNGAISAHRNLRPLGSSDSPASASPVAGITGCTHARLILYFFLVEMEF 60
Qy 61 LHVGQAGLELPTSDPVSASQSAARYRTGHHARLCLANFCGRNRVSLMCPSPSPKQST 120
Db 61 LHVGQAGLELPTSDPVSASQSAARYRTGHHARLCLANFCGRNRVSLMCPSPSPKQST 120
Qy 121 CLSLPKCDYDRAAIVPGLFILFLHRCPTLTQDEVQWCDHSSLOPSTPEIKHPPASASQ 180
Db 121 CLSLPKCDYDRAAIVPGLFILFLHRCPTLTQDEVQWCDHSSLOPSTPEIKHPPASASQ 180
Qy 181 VAGTKDMHYTWLIFIFNLRQSLNSVTQAGVQWRNLGSLQPLPGPKLFCPSLLSS 240
Db 181 VAGTKDMHYTWLIFIFNLRQSLNSVTQAGVQWRNLGSLQPLPGPKLFCPSLLSS 240
Qy 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGPCDLPASASQAGITGVSHHARLIENFC 300
Db 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGPCDLPASASQAGITGVSHHARLIENFC 300
Qy 301 LFEMESHVTOAGVQWPNLGSLOPLPGLKRFSCLSLSPSSWDYGHLPHPANFCIFIRGG 360
Db 301 LFEMESHVTOAGVQWPNLGSLOPLPGLKRFSCLSLSPSSWDYGHLPHPANFCIFIRGG 360
Qy 361 VSPYLSGWSQTPDLR 375
Db 361 VSPYLSGWSQTPDLR 375

RESULT 8
US-10-153-334-1
; Sequence 1, Application US/10153334
; Publication No. US20030096350A1
; GENERAL INFORMATION:
; APPLICANT: AVERBACK, PAUL
; TITLE OF INVENTION: PEPTIDES EFFECTIVE IN THE TREATMENT OF TUMORS AND OTHER
; TITLE OF INVENTION: CONDITIONS REQUIRING THE REMOVAL OR DESTRUCTION OF
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: 59003-000006
; CURRENT APPLICATION NUMBER: US/10/153.334
; CURRENT FILING DATE: 2002-05-24
; PRIOR APPLICATION NUMBER: 60/293.156
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 53
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 1
; LENGTH: 375
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-153-334-1

Query Match 100.0%; Score 2034; DB 4; Length 375;
Best Local Similarity 100.0%; Pred. No. 1.1e-184;
Matches 375; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MEFSLLPLRLCNGAISAHRNLRPLGSSDSPASASPVAGITGCTHARLILYFFLVEMEF 60
Db 1 MEFSLLPLRLCNGAISAHRNLRPLGSSDSPASASPVAGITGCTHARLILYFFLVEMEF 60
Qy 61 LHVGQAGLELPTSDPVSASQSAARYRTGHHARLCLANFCGRNRVSLMCPSPSPKQST 120
Db 61 LHVGQAGLELPTSDPVSASQSAARYRTGHHARLCLANFCGRNRVSLMCPSPSPKQST 120
Qy 121 CLSLPKCDYDRAAIVPGLFILFLHRCPTLTQDEVQWCDHSSLOPSTPEIKHPPASASQ 180
Db 121 CLSLPKCDYDRAAIVPGLFILFLHRCPTLTQDEVQWCDHSSLOPSTPEIKHPPASASQ 180
Qy 181 VAGTKDMHYTWLIFIFNLRQSLNSVTQAGVQWRNLGSLQPLPGPKLFCPSLLSS 240

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Db 181 VAGTKDMHHYTWLIFIFNFRQSLNSVTQAGVQWRNLGSLQPLPPGFKLFSCPSLLSS 240
QY 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGPCDLPASASQAGITGVSHHARLIFNFC 300
Db 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGPCDLPASASQAGITGVSHHARLIFNFC 300
QY 301 LFEMESHVSTQAGVQWRNLGSLQPLPPGFKLFSCPSLLSS 360
Db 301 LFEMESHVSTQAGVQWRNLGSLQPLPPGFKLFSCPSLLSS 360
QY 361 VSPYLSGWSQTPDLR 375
Db 361 VSPYLSGWSQTPDLR 375

RESULT 9

US-10-198-069-1
; Sequence 1, Application US/10198069
; Publication No. US20030096756A1
; GENERAL INFORMATION:
; APPLICANT: AVERBACK, PAUL
; TITLE OF INVENTION: PEPTIDES EFFECTIVE IN THE TREATMENT OF TUMORS AND OTHER
; TITLE OF INVENTION: CONDITIONS REQUIRING THE REMOVAL OR DESTRUCTION OF
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: 59003.000009
; CURRENT APPLICATION NUMBER: US/10/198,069
; CURRENT FILING DATE: 2002-07-19
; PRIOR APPLICATION NUMBER: 60/306,161
; PRIOR FILING DATE: 2001-07-19
; PRIOR APPLICATION NUMBER: 60/306,150
; PRIOR FILING DATE: 2001-07-19
; PRIOR APPLICATION NUMBER: 60/331,477
; PRIOR FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 48
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 1
; LENGTH: 375
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-198-069-1

Query Match 100.0%; Score 2034; DB 4; Length 375;
Best Local Similarity 100.0%; Pred. No. 1.1e-184;
Matches 375; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MEFSLLLPRLECNAGISAHRNLRPGSSDSPASASPVAGITGCTHARLILYFFLVEMEF 60
Db 1 MEFSLLLPRLECNAGISAHRNLRPGSSDSPASASPVAGITGCTHARLILYFFLVEMEF 60
QY 61 LHVGAGLELPTSDPSVSASQARYRTGHARLCLANFCGRRNRYSLMCPSPWSPKQST 120
Db 61 LHVGAGLELPTSDPSVSASQARYRTGHARLCLANFCGRRNRYSLMCPSPWSPKQST 120
QY 121 CLSLPKWDYRRAAVPGLFIFLFRHRCPTLTQDEVQVCHSSLOPSTPEIKHPPASASQ 180
Db 121 CLSLPKWDYRRAAVPGLFIFLFRHRCPTLTQDEVQVCHSSLOPSTPEIKHPPASASQ 180
QY 181 VAGTKDMHHYTWLIFIFNFRQSLNSVTQAGVQWRNLGSLQPLPPGFKLFSCPSLLSS 240
Db 181 VAGTKDMHHYTWLIFIFNFRQSLNSVTQAGVQWRNLGSLQPLPPGFKLFSCPSLLSS 240
QY 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGPCDLPASASQAGITGVSHHARLIFNFC 300
Db 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGPCDLPASASQAGITGVSHHARLIFNFC 300
QY 301 LFEMESHVSTQAGVQWRNLGSLQPLPPGFKLFSCPSLLSS 360
Db 301 LFEMESHVSTQAGVQWRNLGSLQPLPPGFKLFSCPSLLSS 360
QY 361 VSPYLSGWSQTPDLR 375
Db 361 VSPYLSGWSQTPDLR 375

RESULT 10

US-10-157-031-299
; Sequence 299, Application US/10157031
; Publication No. US2003010890A1
; GENERAL INFORMATION:
; APPLICANT: Baranova, A. V.
; APPLICANT: Yankovsky, N. K.
; APPLICANT: Kozlov, A. P.
; APPLICANT: Lobashev, A. V.
; APPLICANT: Krukovskaya, L. L.
; TITLE OF INVENTION: In silico screening for phenotype-associated expressed sequences
; FILE REFERENCE: 2760-103
; CURRENT APPLICATION NUMBER: US/10/157,031
; CURRENT FILING DATE: 2002-05-30
; NUMBER OF SEQ ID NOS: 415
; SOFTWARE: Patent In version 3.1
; SEQ ID NO 299
; LENGTH: 375
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-157-031-299

Query Match 100.0%; Score 2034; DB 4; Length 375;
Best Local Similarity 100.0%; Pred. No. 1.1e-184;
Matches 375; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MEFSLLLPRLECNAGISAHRNLRPGSSDSPASASPVAGITGCTHARLILYFFLVEMEF 60
Db 1 MEFSLLLPRLECNAGISAHRNLRPGSSDSPASASPVAGITGCTHARLILYFFLVEMEF 60
QY 61 LHVGAGLELPTSDPSVSASQARYRTGHARLCLANFCGRRNRYSLMCPSPWSPKQST 120
Db 61 LHVGAGLELPTSDPSVSASQARYRTGHARLCLANFCGRRNRYSLMCPSPWSPKQST 120
QY 121 CLSLPKWDYRRAAVPGLFIFLFRHRCPTLTQDEVQVCHSSLOPSTPEIKHPPASASQ 180
Db 121 CLSLPKWDYRRAAVPGLFIFLFRHRCPTLTQDEVQVCHSSLOPSTPEIKHPPASASQ 180
QY 181 VAGTKDMHHYTWLIFIFNFRQSLNSVTQAGVQWRNLGSLQPLPPGFKLFSCPSLLSS 240
Db 181 VAGTKDMHHYTWLIFIFNFRQSLNSVTQAGVQWRNLGSLQPLPPGFKLFSCPSLLSS 240
QY 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGPCDLPASASQAGITGVSHHARLIFNFC 300
Db 241 WDYRRPRLANFFVFLVEMGFTMFARLILISGPCDLPASASQAGITGVSHHARLIFNFC 300
QY 301 LFEMESHVSTQAGVQWRNLGSLQPLPPGFKLFSCPSLLSS 360
Db 301 LFEMESHVSTQAGVQWRNLGSLQPLPPGFKLFSCPSLLSS 360
QY 361 VSPYLSGWSQTPDLR 375
Db 361 VSPYLSGWSQTPDLR 375

RESULT 11

US-10-198-070-1
; Sequence 1, Application US/10198070
; Publication No. US20030109437A1
; GENERAL INFORMATION:
; APPLICANT: AVERBACK, PAUL
; APPLICANT: GEMWELL, JACK
; TITLE OF INVENTION: PEPTIDES EFFECTIVE IN THE TREATMENT OF TUMORS AND OTHER
; TITLE OF INVENTION: CONDITIONS REQUIRING THE REMOVAL OR DESTRUCTION OF
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: 59003.000008
; CURRENT APPLICATION NUMBER: US/10/198,070
; CURRENT FILING DATE: 2002-07-19
; PRIOR APPLICATION NUMBER: 60/306,161
; PRIOR FILING DATE: 2001-07-19
; PRIOR APPLICATION NUMBER: 60/306,150

[illegible]


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Db 301 LPEMESHVTAQGVQWPNLGSLOPLPGLKRFSCSLPSSWDYGHLPHPANFCPIRGG 360
Qy 361 VSPYLSGWSQTPDLR 375
Db 361 VSPYLSGWSQTPDLR 375

RESULT 14
US-10-450-763-38787
; Sequence 38787, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; PRIOR FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 38787
; LENGTH: 411
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(411)
; OTHER INFORMATION: Xaa = X or * as defined in Table 2
US-10-450-763-38787

Query Match 40.4%; Score 822.5; DB 5; Length 411;
Best Local Similarity 51.0%; Pred. No. 2.2e-69;
Matches 200; Conservative 37; Mismatches 120; Indels 35; Gaps 14;

Qy 4 SLLPRLCNGAISAHRNLRLLPGSSDPSASPVAGITGCTHARLILYFLVEMFLVHV 63
Db 12 SPLPRLCQSGMILAYCNRLLGSSNSVASASGAVAGITGCTHTQXI-FVFLVETGFHV 70
Qy 64 GOAGLELPTSDPSVSASQSR-YRTGHAR--LCLANFCGRNVSLMCPSPWSPKQST 120
Db 71 GOAGLEFLTSGDLPTSPASQSRDYRDDHTRPEK---FCXKTHLWHPSPWSSEERSG 127
Qy 121 CLS-----LPKCDWYRRAAVPGLFILFRLHRCPTLTODEVQWCHDSSLQSTPEIK 172
Db 128 FFSQDSXKSSRYPK-----KLLGMWVIAINIGTRTXKXKFKTREYIGTH-SIHGN 179
Qy 173 HPPASASQVAGTKOMHHYTWLI---FIFNPLRQSLNSVTQAGVQWRNLGSLQPLPPGF 229
Db 180 H-GVNTYHVASEK-LHXITYRMKAKNFFFLRELASVAQAGVQWRDLGSLQSPPPGF 237
Qy 230 KLFSCPSLLSSWDYR--PPRLANFVFLVEM--GFTWFARLILISGCDLPASASQASG 285
Db 238 TPFSCPASLRSDYRVRVLPCLANFPLYFSMRRGFTVFSRWVSLSXPRDQPASASQAG 297
Qy 286 ITGVSHHARL--IFNCLF-EMESHVTAQGVQWPNLGSLOPLPGLKRFSCSLPSSWD 342
Db 298 ITGVSHHARLKIIFLFFFTESGRSAQAGVQWHDLSGRHRPPPGFTPFSCLSFPSSWD 357
Qy 343 YGHLPPHPANFCIFIRGVSPVLSGWSQTPDL 374
Db 358 YRGPPPPRANFCVFSRDGVSFCXGWSRSPDL 389
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RESULT 15
US-10-450-763-52272
; Sequence 52272, Application US/10450763
; Publication No. US20050196754A1
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; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 52272
; LENGTH: 290
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(290)
; OTHER INFORMATION: Xaa = X or * as defined in Table 2
US-10-450-763-52272

Query Match 36.1%; Score 735; DB 5; Length 290;
Best Local Similarity 47.6%; Pred. No. 3.1e-61;
Matches 182; Conservative 17; Mismatches 69; Indels 114; Gaps 12;

Qy 6 LLPLECNGAISAHRNLRLLPGSSDPSASPVAGITGCTHARLILYFLVEMFLVHVQ 65
Db 11 LSPRLCSCGAISAHRNLRLLPGSSDPSASR--ITGISGARHHAQLILYFLVEMRPHVQ 68
Qy 66 AGLELPTSDPSVSASQSR-YRTGHARLCLANFCGRNVSLMCPSPWSPKQSTCLSLP 125
Db 69 AGLKLLTSGNP-----HH-----LGLP 85
Qy 126 KCWDYRRAAVPGLFILFRLHRCPTLTODEVQWCHDSSLQSTPEIKHPPASASQVAGTK 185
Db 86 KCWDYSRKPP-----RPPRP----- 101
Qy 186 DMHHYTWLIFIFNPLRQSLNSVTQAGVQWRNLGSLQPLPPGKLFSCPSLLSSWDYR- 244
Db 102 -----IFSFFLRWSLALVAQAGMQWDDLSLQPLPPGKXFCFSLSLRSWDYGC 152
Qy 245 RPPRLANFF-----VFLVEMGFTMFARL---ILISGCDLPA-SASOSAGITGVSHHARL 295
Db 153 PPRLANFVVCVVCVVDGFTMLARLGLLELTSG--DLPPGLPKCLGFTGMSHCARP 210
Qy 296 IFNCLFEMESHVTAQGVQWPNLGSLOPLPGLKRFSCSLPSSWDYGHLPHPANFC- 354
Db 211 IFFF--FEMESCFATAGVQWCDLSSLQPLPPRFKXFCFSLSLSSWDYRHMPPCLANFCP 268
Qy 355 -IFIRGVSPVLSGWSQTPDLR 375
Db 269 GIFSRDRVSSCWGRSQTPDLK 290

Search completed: March 23, 2006, 17:55:30
Job time : 170 secs
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Db 54 -----FSP-PFEKESLSVTQAGVQWHDLSLQAA 81
Qy 326 PPGLKRFSCLSLPSWDYGHLPHPANFCIFI 357
Db 82 PPGTFPSCLSLPSSWNRYRPPCPANFFVFL 113

RESULT 2
US-11-072-512-3196
; Sequence 3196, Application US/11072512
; Publication No. US20060029945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHIKO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOKYU
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: Novel full length cDNA
; FILE REFERENCE: 084335-0191
; CURRENT APPLICATION NUMBER: US/11/072,512
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/350,978
; PRIOR FILING DATE: 2002-01-25
; PRIOR FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3196
; LENGTH: 189
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-072-512-3196

Query Match 15.9%; Score 324; DB 7; Length 189;
Best Local Similarity 39.6%; Pred. No. 4.4e-24;
Matches 99; Conservative 11; Mismatches 66; Indels 74; Gaps 10;

Qy 8 PRLECNCAISAHNRNLRLPGSSDSPASAPVAGITGMCTHARLILYFFLVEHFLHVGQAG 67
Db 3 PRLECSGALSAPCNFPLSGSSDSPASARVAGTTGRHQAQLI-FVFLVETGFRHIGQAA 61
Qy 68 LELPTSDPSVASQASARYRTGHHARCLANFCGRNVSLMCPSPKSLKCLSLPKC 127
Db 62 LELLTSGDPPTSGASQAGITVLSH-----RTPSLF-----LRQD----- 96
Qy 128 WDYRAAVPGLFILFLRHRCPTLQDEQVQWCHDSLOPSTPEIKHPPASASOVAGTKDM 187
Db 97 -----LFLPRLECSGVI-----TAHCSLNPGLS--SSPTSDSGVAGPTRP 135
Qy 188 HHYTWLIFIFNFLRQSLNSVTQAGVQWRNIGSLQPLPPGF-----KLFSCPSLLSSW 241
Db 136 HHHTWLIFFV-----ENGIL-PCHPGWSRTPKQSHLGLSKRW 175
Qy 242 DYR-RPPRLA 250
Db 176 DYRHEPPHLA 185

RESULT 3
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```
US-11-072-512-2423
; Sequence 2423, Application US/11072512
; Publication No. US20060029945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHIKO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOKYU
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: Novel full length cDNA
; FILE REFERENCE: 084335-0191
; CURRENT APPLICATION NUMBER: US/11/072,512
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/350,978
; PRIOR FILING DATE: 2002-01-25
; PRIOR FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2423
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-072-512-2423

Query Match 15.1%; Score 307; DB 7; Length 114;
Best Local Similarity 73.1%; Pred. No. 1.1e-22;
Matches 57; Conservative 2; Mismatches 19; Indels 0; Gaps 0;

Qy 297 FNFCLFEMESHSTQAGVQWPNLGSLOPLPPLKRFSCLSLPSWDYGHLPHPANFCIFI 356
Db 6 FFFFFFEABRPVQAGVQWVHNLGSRQLPFRFRFSCLSLSSWDYRHHMPHPANFCIFI 65
Qy 357 IRGGVSPYLSGWSQTPDL 374
Db 66 SRDGVSPCWGWSRTPDL 83

RESULT 4
US-11-072-512-2334
; Sequence 2334, Application US/11072512
; Publication No. US20060029945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHIKO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOKYU
; APPLICANT: NAGAHARI, KENJI
```

```
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: Novel full length cDNA
; FILE REFERENCE: 084335-0191
; CURRENT APPLICATION NUMBER: US/11/072,512
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/350,978
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: JP 2001-379298
; PRIOR FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2334
; LENGTH: 156
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-072-512-2334

Query Match      14.8%; Score 301; DB 7; Length 156;
Best Local Similarity 50.6%; Pred. No. 5.9e-22;
Matches 78; Conservative 9; Mismatches 35; Indels 32; Gaps 6;

QY 172 KHPASASQAGVQKMHVYTWLIFIFNLRSLNSVTQAGVQWPNLGSLOPLPFGFKL 231
   : ||||| : : : : : : : : : : : : : : : : : : : : : : : : :
Db 12 RDPASASQAGIIGVSHRAQLSFLWSFV-----LVAQAGQWEDLSSLOPLPFGFKR 66
   : ||||| : : : : : : : : : : : : : : : : : : : : : : : : :

QY 232 FSCPSLLSSWDYRR-PPRLANFVFLVEMGFTWF--ARLILSGPCDLPASASQAGITG 288
   || ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 67 FSWFSLSSWDYRRNAPPHLAT-FVFLVEMGFLVHQASLTLTPTSD-DPPASASQAGITG 124
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

QY 289 VSHHARLIENFCLFEMESHVSVTQAGVQWPNLGS 322
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 125 VSHRA-----WPKPSSL 136
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
```

```
RESULT 5
US-11-072-512-3422
; Sequence 3422, Application US/11072512
; Publication No. US20060029945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHIKO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: Novel full length cDNA
; FILE REFERENCE: 084335-0191
; CURRENT APPLICATION NUMBER: US/11/072,512
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/350,978
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: JP 2001-379298
; PRIOR FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3422
; LENGTH: 110
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-072-512-3422
```

```
Query Match      13.9%; Score 283.5; DB 7; Length 110;
Best Local Similarity 63.0%; Pred. No. 1.9e-20;
Matches 58; Conservative 3; Mismatches 22; Indels 9; Gaps 2;

QY 292 HARLIFF-----NECL--FEMESHVSVTQAGVQWPNLGSLOPLPGLKRPSCLSLPSWD 342
   || :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :||
Db 4 HAFIVFLLLFFVVFCLFVFETESRSVAQAQVQWNLGSLHPPPPGPKRPPCPSPSSWD 63
   || :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :||

QY 343 YGHLPPHPANFCIFIRGVSPYLSGWSQTPDL 374
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 64 YRRPPHLANFCIFGRHEVSPYWPGRSPTGL 95
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

RESULT 6
US-11-072-512-2112
; Sequence 2112, Application US/11072512
; Publication No. US20060029945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHIKO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: Novel full length cDNA
; FILE REFERENCE: 084335-0191
; CURRENT APPLICATION NUMBER: US/11/072,512
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/350,978
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: JP 2001-379298
; PRIOR FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2112
; LENGTH: 123
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-072-512-2112

Query Match      13.9%; Score 283; DB 7; Length 123;
Best Local Similarity 68.4%; Pred. No. 2.5e-20;
Matches 54; Conservative 5; Mismatches 20; Indels 0; Gaps 0;

QY 296 IFNCLFEMESHVSVTQAGVQWPNLGSLOPLPGLKRPSCLSLPSWDYGHLPHPANFCI 355
   :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :||
Db 18 LFIVLFLETESCSVTQAGVQWCDLSSLOPLPGLKRPSCLSLPSWDYRCPHPANFCI 77
   :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :||

QY 356 FIRGVSPYLSGWSQTPDL 374
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 78 FSRDGLPCWPSWSTPDL 96
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

RESULT 7
US-10-821-234-1012
; Sequence 1012, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
```

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; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821.234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_seq_genes Version 1.0
; SEQ ID NO 1012
; LENGTH: 943
; TYPE: PRT
; ORGANISM: Homo sapiens
; NAME/KEY: misc_feature
; LOCATION: (1)...(943)
; OTHER INFORMATION: Xaa = any amino acid or nothing
US-10-821-234-1012

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Query Match      13.8%; Score 281; DB 6; Length 943;
Best Local Similarity 45.4%; Pred. No. 4.3e-19;
Matches 79; Conservative 13; Mismatches 46; Indels 36; Gaps 9;

Qy 201 FLROSLNSVTQAGVQWRNLGSLQPLPGFKLFSCPSLLSSWDYRR-PERLANFFVEL--- 256
Db 335 FMKQS-RSVSGVQVQWHDGLQLQPPPGFKRFKFSCLSLPSSWDYRRGPPCPANFYFALSP 393

Qy 257 -VEMGFMTFARLIL-ISGFCPLPASASQASAGITGVSHHARLIFNFCLFEMESHVSVTQAGV 314
Db 394 RLECSGITISADCNLHLLGSSDSPASAPVAGITGVGHVQLIFIF-LVETGFHHVQAG- 451

Qy 315 QWPNLGSLOPL-----PP-----GLKRFSCLSLPSSWDYGHLPHPANFCIFI 357
Db 452 -----LEPLTSDPPTASQASAGITGVSHHARPSX-----PLQVCFLI 489

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RESULT 8
US-11-072-512-2372
; Sequence 2372, Application US/11072512
; Publication No. US20060029945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUOI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHICO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOKYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: Novel full length cDNA
; FILE REFERENCE: 084335-0191
; CURRENT APPLICATION NUMBER: US/11/072,512
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/350,978
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: JP 2001-379298
; PRIOR FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2372
; LENGTH: 152
; TYPE: PRT
; ORGANISM: Homo sapiens

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US-11-072-512-2372

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Query Match      13.8%; Score 280; DB 7; Length 152;
Best Local Similarity 44.6%; Pred. No. 6.2e-20;
Matches 70; Conservative 12; Mismatches 51; Indels 24; Gaps 5;

Qy 231 LFSCPSLL-SSWDYRRPP-RLANFFVFLVEMG-----FTMEARLILISGCDLPASAS 281
Db 8 LVSVSFLPKCWDRHEPLRPASLELLSLAIGNRSKWSNPFPLF-----ASPQ 55

Qy 282 QSAGITGVSHHARLIFNFC---LFEMESHVSVTQAGVQWPNLGSLOPLPGFKRFSCLSLP 338
Db 56 IRPRLMRASEVERLLCVFVFVFRQSGCSVTQAGVQWRDLSSLQPPSPGFKRFSCLSLP 115

Qy 339 SSWDYGHLPHPANFCIFIRGGVSPVLSGWSQTPDLR 375
Db 116 SSWDYRHLPPHLASFICFISRDNVSCQCPGWSRTPGFK 152

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RESULT 9
US-10-821-234-988
; Sequence 988, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821.234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_seq_genes Version 1.0
; SEQ ID NO 988
; LENGTH: 123
; TYPE: PRT
; ORGANISM: Homo sapiens
; NAME/KEY: misc_feature
; LOCATION: (1)...(123)
; OTHER INFORMATION: Xaa = any amino acid or nothing
US-10-821-234-988

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Query Match      13.6%; Score 276; DB 6; Length 123;
Best Local Similarity 72.4%; Pred. No. 1.2e-19;
Matches 63; Conservative 3; Mismatches 15; Indels 6; Gaps 2;

Qy 3 FSL-----LLPRLECNAGISAHNRRLRPGSSDSPASAPVAGITGMCTHARLILYFFLVE 57
Db 22 FSLRQSLTLPRLECNAGISAHNRRLRPGSSDSPASAPVAGITGAHHQAQLI-FVFLAE 80

Qy 58 MEFLHVGAGLELPTSDDPVSASQSA 84
Db 81 TGFRRHVGAGFELLTSGDPPASASQTA 107

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RESULT 10
US-11-124-367A-335
; Sequence 335, Application US/11124367A
; Publication No. US20060024700A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: Hongjin Huang
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Fibrosis Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07

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; PRIOR APPLICATION NUMBER: US 60/592,609
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/599,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 34460
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 335
; LENGTH: 128
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-124-367A-335

Query Match      13.1%; Score 271; DB 7; Length 128;
Best Local Similarity 60.2%; Pred. No. 3.8e-19;
Matches 56; Conservative 9; Mismatches 22; Indels 6; Gaps 3;

QY 286 ITGVSHHARLIFNCLFEMESHVTV---QAG-VQWPNLGSLOPLPGLKRFSCLSLPSSW 341
Db 23 ISTVAFEAGLL--ECTPELRIHRVSLYRQAGVVQWQDLGSLQSPFPFGFSCLSLPSSW 80

QY 342 DYGHLPHPANFCIFIRGGVSPYLSGWSOTPD 374
Db 81 DYSYTPHPANFCIFSRDGVSPCCPGWSRSPDL 113

RESULT 11
US-10-821-234-1044
; Sequence 1044, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; PRIOR FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_SEQ_genes Version 1.0
; SEQ ID NO 1044
; LENGTH: 119
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(119)
; OTHER INFORMATION: Xaa = any amino acid or nothing
US-10-821-234-1044

Query Match      12.9%; Score 263; DB 6; Length 119;
Best Local Similarity 76.6%; Pred. No. 2.1e-18;
Matches 49; Conservative 1; Mismatches 14; Indels 0; Gaps 0;

QY 311 QAGVQWPNLGSLOPLPGLKRFSCLSLPSSWDYHLPHPANFCIFIRGGVSPYLSGWSQ 370
Db 8 QAGVHWHLGSLQPPPPGKRFSCLSLPSSWDYRHPVPCFANFCIFSRGVSACWPWSX 67

QY 371 TPD 374
Db 68 TPD 71

RESULT 12
US-11-072-512-2789
; Sequence 2789, Application US/11072512
; Publication No. US20060029945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
```

```
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHIKO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: Novel full length cDNA
; FILE REFERENCE: 084335-0191
; CURRENT APPLICATION NUMBER: US/11/072,512
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/350,978
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: JP 2001-379298
; PRIOR FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 2789
; LENGTH: 128
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-072-512-2789

Query Match      12.9%; Score 261.5; DB 7; Length 128;
Best Local Similarity 58.7%; Pred. No. 3.1e-18;
Matches 61; Conservative 5; Mismatches 37; Indels 1; Gaps 1;

QY 6 LLPRLECNAGISAHRNLRPLPGSSDPPASPVAGITGCTHARLILYFVLVEMEFHVQ 65
Db 26 LSPRLECNMISAHNCNHLGSSDSSASVSRVAGITGACHARLI-FVFLVEMRFRHVQ 84

QY 66 AGLLEPTSDPSVSASQSAARYRTGHHARLCLANFCGRNRVSLMC 109
Db 85 AGLKLLTSSDPPASASQAGITGMSHCAQPIVVLFLKNRGRVC 128

RESULT 13
US-10-821-234-1060
; Sequence 1060, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_SEQ_genes Version 1.0
; SEQ ID NO 1060
; LENGTH: 116
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(116)
; OTHER INFORMATION: Xaa = any amino acid or nothing
US-10-821-234-1060

Query Match      12.7%; Score 258.5; DB 6; Length 116;
Best Local Similarity 62.2%; Pred. No. 5.5e-18;
```

